



Archaeological Resources

Airport Vicinity Development Checklist

Parking Study

Trip Generation Comparison

Parking Master Plan



CERTIFICATE OF NO EFFECT ARCHAEOLOGICAL RESOURCES

534-PA-2018
Site 42 Expansion

APPLICATION INFORMATION

LOCATION: 26602 North Pima Road

PARCEL: 212-33-001

Q.S.: 49-48

APPLICANT: Joe Phillips

COMPANY: City of Scottsdale

ADDRESS: 7447 East Indian School Road, Suite 205
Scottsdale, AZ 85251

PHONE: 480-861-4823

Request: Request approval of a Municipal Use Master Site Plan for the expansion of an existing Water Department facility including water tank reservoirs and pumping equipment on an approximately 3.56-acre site.

Certificate of No Effect-Archaeological Resources Criteria:

In accordance with Chapter 46, Article VI, of the Scottsdale Revised City Code, the City Archaeologist finds that:

- No archaeological resources are located on the property according to the archaeological survey and report and based upon review of the report by the City Archaeologist.

STIPULATIONS

1. Any development on the property is subject to the requirements of Scottsdale Revised Code, Chapter 46, Article VI, Protection of Archaeological Resources, Section 46-134 - Discoveries of archaeological resources during construction.

SIGNATURE: _____

DATE: March 12, 2019

Jesus Murillo, Senior Planner

Planning and Development Services

7447 E Indian School Road Suite 105, Scottsdale, AZ 85251 Phone: 480-312-7000 Fax: 480-312-7088

City of Scottsdale's Website: www.scottsdaleaz.gov

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Revision Date: 12/16/2014

7-UP-2019
8/2/2019



Archaeological Consulting Services, Ltd.

Cultural Resource, Environmental Planning, and GIS Services

Certified DBE, EDWOSB, Established 1977

424 West Broadway Road

Tempe, AZ 85282-1339

(480) 894-5477

www.acstempe.com

March 11, 2019

Steve Venker
City Archaeologist
Historic Preservation Office
7447 East Indian School Road
Scottsdale, Arizona 85251

RE: Site 42 Expansion – SRSF Revisions

Dear Steve,

Revisions have been made per your review comments dated March 6, 2019, as follows:

Section 9h and 9h1: Buried Deposits and Justification sections have been revised to meet SHPO guidance point.

Section 13a: Previous Projects Within Study Area

- a. Authors listed more than once for projects that occurred the same year are differentiated in the References Cited section with lower-case letters after the year (for example, Rayle and Fangmeier published seven reports in support of cell tower construction in 2009; these are listed as Rayle and Fangmeier 2009a, 2009b, and so on).
- b. The year has been eliminated from the author's column.
- c. Schroeder 2001 is cited twice, but both citations reference the same report, which is listed in the References Cited section.
- d. The reference for Boloyan 2002 Wharton Lot Split is listed in the References Cited section under Boloyan, David S. 2002. Although the report title does not specifically reference "Wharton Lot Split," that is the name the project is registered under at ASM, so it was left unchanged in the table.
- e. Please see explanation for "d" above; even though the report title does not specifically mention "preliminary plat," that is the name the project is registered under at ASM, so it was left unchanged in the table.
- f. Please see explanation for "d" above; even though the report title does not specifically mention "Arroya Bonita," that is the name the project is registered under at ASM, so it was left unchanged in the table.
- g. Reference added for projects sponsored by City of Scottsdale HPO.

Section 13b: Previously Recorded Cultural Resources

- a. According to AZSITE, AZ U:5:17(ASM) was documented/evaluated by Soil Systems, Inc., in a 1986 report authored by Cory Breternitz. The Associated Reference listed in the table, Breternitz 1986, refers to that report.

The revised SRSF is attached. Please let me know if you have any other questions or comments.

Thank you very much,

Lourdes Aguila
Principal Investigator

7-UP-2019
8/2/2019

**STATE HISTORIC PRESERVATION OFFICE
SURVEY REPORT SUMMARY FORM**

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1. REPORT TITLE

1a. Report Title: A Class III Cultural Resources Survey of 3.56 Acres near the Intersection of Pima Road and Jomax Road, City of Scottsdale, Maricopa County, Arizona.

1b. Report Author(s): Lesley Rodriguez, B.A.; Jacob Kovalchik, M.A., RPA

1c. Date: 3/6/2019 **1d. Report No.:** 18-199:CSUR

2. PROJECT REGISTRATION/PERMITS

2a. ASM Accession Number: 2018-0475

2b. AAA Permit Number: 2018-29bl

2c. ASLD Lease Application Number(s): 016-120434-00-100

2d. Other Permit Number(s): N/A

3. ORGANIZATION/CONSULTING FIRM

3a. Name: Archaeological Consulting Services, Ltd. (ACS)

3b. Internal Project Number: 18-199:CSUR

3c. Internal Project Name: Site 42 Expansion

3d. Contact Name: Lourdes Aguila, M.A., RPA

3e. Contact Address: 424 West Broadway Road, Tempe, Arizona 85282

3f. Contact Phone: 480-894-5477

3g. Contact Email: laguila@acstempe.com

4. SPONSOR/LEAD AGENCY

4a. Sponsor: City of Scottsdale

4b. Lead Agency: Arizona State Land Department

4c. Agency Project Number(s): Application No. 016-120434-00-100

4d. Agency Project Name: Site 42 Expansion

4e. Funding Source(s): City of Scottsdale

4f. Other Involved Agencies: N/A

4g. Applicable Regulations: Arizona Antiquities Act (A.R.S. §41-841 *et seq.*), the State Historic Preservation Act (A.R.S. §41-861 through §41-864), and the City of Scottsdale Ordinance, Scottsdale Revised Code, Chapter 46, Article VI.

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5. DESCRIPTION OF PROJECT OR UNDERTAKING: The City of Scottsdale (City) is proposing to expand its existing Site 42 for the City Water Department. The proposed expansion site is located northwest of the intersection of Jomax Road and Pima Road, and consists of approximately 3.56 acres of Arizona State Trust Land administered by the Arizona State Land Department (ASLD). The project will utilize City funds. Under the City of Scottsdale Revised Code, Chapter 46, Article VI; the Arizona Antiquities Act (A.R.S. §41-841 *et seq.*); and the State Historic Preservation Act (A.R.S. §41-861 through §41-864), before construction can begin, a cultural resource assessment needs to take place to identify and evaluate any cultural resources that might be present within the project area.

6. PROJECT AREA/AREA OF POTENTIAL EFFECTS: The project area consists of 3.56 acres of ASLD land located northeast of the intersection of Pima Road and Jomax Road in Scottsdale, Maricopa County, Arizona.

7. PROJECT LOCATION

7a. Address: 26602 N Pima Rd. Scottsdale, AZ 85266

7b. Route: N/A

7c. Mileposts Limits: N/A

7d. Nearest City/Town: Scottsdale

7e. County: Maricopa

7f. Project Locator UTM: 417250 Easting, 3732467 Northing **7g. NAD 83** **7h. Zone:** 12N

7i. Baseline & Meridian: G&SRB&M **7j. USGS Quadrangle(s):** Currys Corner

7k. Legal Description(s): Township 5 North Range 4 East, Section 36

8. SURVEY AREA

8a. Total Acres: 3.56

8b. Survey Area.

1. Land Jurisdiction	2. Total Acres Surveyed	3. Total Acres Not Surveyed	4. Justification for Areas Not Surveyed
ASLD	3.56	NA	N/A

9. ENVIRONMENTAL CONTEXTS

9a. Landform: Valley plain

9b. Elevation: 2185–2195 ft amsl

9c. Surrounding Topographic Features: Pinnacle Peak is located approximately 1.5 miles to the west of the project area. The McDowell Mountain Range is located approximately 5.2 miles to the southeast of the project area.

9d. Nearest Drainage: Unnamed intermittent stream 150 m to the southeast of the project area.

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9e. Local Geology: Quaternary sand, gravel, and conglomerate (Wilson et al. 1957).

9f. Vegetation: The project area is located within the Arizona Upland subdivision of the Sonoran Desertscrub biome (Brown and Lowe 1980). Observed flora include grasses, creosote, mesquite, bursage, stag cholla, barrel cactus, hedgehog cactus, teddy bear cholla, saguaro, pencil cholla, mammillaria cactus, globe mallow, wolfberry, and paloverde. It is likely that similar vegetation was present historically.

9g. Soils/Deposition: Granitic gravels and sandy loam; Anthro-Valencia association, "nearly level to gently sloping...soils on alluvial fans and valley plains" (Hartman 1973).

9h. Buried Deposits: Likely possible.

9i. Justification: Depth potential exists, but the lack of surface findings or visible stratigraphy precludes further assumptions.

10. BUILT ENVIRONMENT: A paved driveway borders the project area on the southern boundary, and the wall for the neighboring water tank compound is adjacent to the project area on the western boundary.

11. INVENTORY CLASS COMPLETED

11a. Class I Inventory: ☒

11b. Researcher(s): Lesley Rodriguez, B.A.

11c. Class II Survey: ☐

11d Sampling Strategy: N/A (100%)

11e. Class III Inventory: ☒

12. BACKGROUND RESEARCH SOURCES

12a. AZSITE: ☒

12b. ASM Archaeological Records Office: ☒ Project Registration Forms, site cards, and other ASM Archaeological Records Office documentation are available on AZSITE

12c. SHPO Inventories and/or SHPO Library: ☒

12d. NRHP Database: ☒

12e. ADOT Portal: ☐

12f. GLO Maps: 1915 GLO Plat Map T4N/R4E, 1920 GLO Plat Map T4N/R5E, 1920 GLO Plat Map T5N/R4E, 1920 GLO Plat Map T5N/R5E

12g. Land- Managing Agency Files: City of Scottsdale Historic Preservation Office (HPO); City of Scottsdale Register

12h. Tribal Cultural Resources Files: N/A

12i. Local Government Websites: N/A

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12j. Other: N/A

13. BACKGROUND RESEARCH RESULTS

13a. Previous Projects Within Study Area (1 mile buffer).

1. Project Reference Number	2. Project Name	3. Author(s)	4. Year
1982-187.ASM	City of Scottsdale A.S.L.S. 16-85792	(Madsen)	1982
1985-50.ASM	Pinnacle Peak Urban Lands	(Rozen)	1985
1985-87.ASM	Pinnacle Peak Land Co.	(Madsen)	1985
1987-243.ASM	North Scottsdale Reconnaissance	(RECON Consultants)	1987
1988-54.ASM	Dynamite Road Pump Station	(Hackbarth)	1988
1989-23.ASM	Pinnacle Peak-Lone Mtn 69kV	(Rankin)	1989
1989-128.ASM	East Jomax Substation	(Irwin)	1989
1994-154.ASM	Dynamite Boulevard Right-of-Way	(Jackman Jensen)	1994
1994-208.ASM	Jomax Survey	(Roth)	1994
1994-329.ASM	Rawhide Wash Survey	(Rozen)	1994
1995-98.ASM	Dixeleta 69kV Line	(Adams)	1995
1996-206.ASM	Dale Substation Survey	(DeMaagd)	1996
1997-333.ASM	Dynamite Rd and 93 rd St.	(Crownover)	1996
1998-195.ASM	Rawhide Estates Access Road Archaeological Survey	(Schroeder)	1998
1998-421.ASM	Rawhide Wash Basin EO	(Brown and Douglas)	1998
1999-355.ASM	Well Site B003b Survey	(Diehl)	1999
2000-169.ASM	Jomax/Hayden Roads Tower Site and Utility Line 0.80-acre ASLD Survey	(Jones)	2000
2001-214.ASM	Cox Communications East Desert Highlands Drive ROW	(Webb)	2001
2001-237.ASM	IWDS Dynamite	(Lundin)	2001a
2001-392.ASM	Arroyo Paradise Archaeological Project	(Schroeder)	2001
2001-687.ASM	IWDS: Pima & Cave Creek Survey	(Lundin)	2001b
2001-694.ASM	Pima & Dynamite Survey	(North)	2001
2003-447.ASM	Palmer Homestead	(Bolyan)	2002
2003-1102.ASM	Pima Road Survey	(Webb and Courtright)	2002
2004-671.ASM	COS Arsenic Pipeline	(Lausten)	2004
2004-1797.ASM	Desert Highland Project Scottsdale	(Mitchell and Schmidt)	2004
2004-1808.ASM	Sale Substation Ductwork Survey	(Schilling)	2004
2005-984.ASM	Jomax & Hayden Roads Survey	(North and Bellavia)	2005
2005-1258.ASM	84 th Street and Dynamite Road Survey	(Cogswell)	2005
2006-533.ASM	Scottsdale Water Tank	(Rainey)	2006
2008-15.ASM	Scottsdale Sewer Main	(Jamie)	2008
2008-237.ASM	Dale-Via Dona 69kV	(Archual)	2008

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1. Project Reference Number	2. Project Name	3. Author(s)	4. Year
2008-672.ASM	Jomax Road ROW Archaeological Inventory	(Ellison)	2008
2009-478.ASM	Scottsdale Cell Towers	(Fangmeier; Rayle and Fangmeier)	2009; 2009a- 2009g
2009-798.ASM	AT&T H069	(Luchetta and Moses)	2009
2010-214.ASM	Jomax Road/City of Scottsdale Survey	(Doak)	2010
2010-347.ASM CIP.COS	Dynamite Road (Pima to Alma School)	(Orcholl) City of Scottsdale HPO	2011
2010-380.ASM	AT&T Mobility H273-03	(Luchetta and Moses)	2010
2011-8.ASM	Scottsdale ARRA Survey	(Stubing)	2011
2011-584.ASM	K-H 94 th Street and Jomax Scottsdale Survey	(Breternitz)	2004
2011-629.ASM 48-DR-2000.COS	Raleigh George Hall Scottsdale Survey for Living Word Church	(Ellis) City of Scottsdale HPO	2000
2012-706.ASM	Survey of 8 Acres Northwest of Pima Rd. and Dynamite Blvd.	(Hopkins)	2009
2013-420.ASM	Jomax Hayden Fire Station Class III	(Teeter)	2013
3-PP-2005.COS	Esperanza at Pinnacle Peak, Preliminary Plat	(Breternitz) City of Scottsdale HPO	2004
10-ZN-2018.COS	Pima and Bronco Zoning	(Hayden) City of Scottsdale HPO	2018
11-06.BLM	Unknown	AZSITE Project # 4639	Unknown
11-PP-2003.COS	The Views at Happy Valley Preliminary Plat	(Schroeder) City of Scottsdale HPO	2001
11-PP-2005.COS	Arroya Bonita	(North and Bellavia) City of Scottsdale HPO	2005
12-PP-2011.COS	Jomax Ten Acre Preliminary Plat	(Boloyan) City of Scottsdale HPO	2011
18-LS-2003.COS	Wharton Lot Split	(Boloyan) City of Scottsdale HPO	2002
21-PP-2004.COS	Pinnacle Place State Trust Land Acquisition Preliminary Plat	(Mitchell and Schmidt) City of Scottsdale HPO	2004
32-LD-2004.COS	Boxer Property Land Division	(Boloyan) City of Scottsdale HPO	2004
34-LS-2000.COS	Bronco Trail Lot Split	(Larkin) City of Scottsdale HPO	2000
68-LD-2005.COS	Desert View Communities at Bronco Trail	(Boloyan) City of Scottsdale HPO	2005
SHPO-2000-3435	Proposed Communication Antenna Installation – Cricket – APS Pole / PHX-018B Tower Site - Northeast	(Solometo)	2000

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13b. Previously Recorded Cultural Resources Within Study Area (1 mile buffer).

1. Site Number/Name	2. Affiliation	3. Site Type	4. Eligibility Status	5. Associated Reference(s)
AZ U:5:17(ASM)	Prehistoric	Artifact scatter	Determined ineligible individually; (AZSITE# 69921)	(Breternitz 1986)
AZ U:5:21(ASM)	Prehistoric	Artifact scatter	Unevaluated; (AZSITE# 65816)	(RECON Consultants 1987)
AZ U:5:29(ASM)	Prehistoric	Artifact scatter	Determined eligible individually (D); (AZSITE# 13249)	(Rankin 1989; Rozen 1994)
AZ U:5:146(ASM)	Historic	Trash scatter	Determined ineligible individually; (AZSITE# 13257)	(Rozen 1994)
AZ U:5:147(ASM)	Prehistoric	Artifact scatter	Determined eligible individually (D); (AZSITE# 13260)	(Rozen 1994)
AZ U:5:148(ASM)	Prehistoric	Artifact scatter	Determined eligible individually (D); (AZSITE# 13251)	(Rozen 1994)
AZ U:5:219(ASM)	Historic	Prospecting pits with trash	Recommended ineligible; (AZSITE# 75021)	(Crownover 1996)
AZ U:5:240(ASM)	Prehistoric	Artifact scatter	Unevaluated; (AZSITE# 68038)	(Brown and Douglas 1998)
AZ U:5:272(ASM)	Historic	Trash scatter	Recommended ineligible; (AZSITE# 91112)	(Schroeder 2001)
GLO Property	Historic	Road	Unevaluated	1920 GLO Plat Map T5N/R4E
GLO Property	Historic	Road	Unevaluated	1915 GLO Plat Map T4N/R4E

13c. Historic Buildings/Districts/Neighborhoods (1 mile buffer)*.

1. Property Name or Address	2. Year	3. Eligibility Status

*AZSITE shows 331 individual historic structures within 1 mile of the project area. None are associated with a specific historic district, and none have been evaluated for the National or Scottsdale Registers. As the project does not involve historic period resources, these structures are not listed in Table 13c.

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14. CULTURAL CONTEXTS

14a. Prehistoric Culture: N/A

14b. Protohistoric Culture: N/A

14c. Indigenous Historic Culture: N/A

14d. Euro-American Culture: N/A

15. FIELD SURVEY PERSONNEL

15a. Principal Investigator: Lourdes Aguila, M.A., RPA

15b. Field Supervisor: Lesley Rodriguez, B.A.; Jacob Kovalchik, M.A., RPA

15c. Crew: N/A

15d. Fieldwork Date(s): December 19, 2018; February 15, 2019

16. SURVEY METHODS

16a. Transect Intervals: 20 m apart

16b. Coverage (%): 100%

16c. Site Recording Criteria: ASM

16d. Ground Surface Visibility: 40%

16e. Observed Disturbances: Dumping of debris (wood chip piles, various building materials, and some minimal modern trash), a few small, shallow, ephemeral, NE/SW trending washes, and erosion.

17. FIELD SURVEY RESULTS

17a. No Cultural Resources Identified: ☒

17b. Isolated Occurrences (IOs) Only: ☐

17c. Number of IOs Recorded: 0

17d. Table of IOs.

1. IO Number	2. Description	3. Date Range	4. UTM's
N/A	N/A	N/A	N/A

18. COMMENTS: ACS' intensive (100%) Class III survey of 3.56 acres for the City's proposed Site 42 Expansion project area revealed no cultural resources. Based on the results of this survey, no historic properties will be affected by the proposed construction. Therefore, a Certificate of No Effect is recommended for this project.

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SECTION 19. ATTACHMENTS

19a. Project Location Map: ☒ Figures 1 and 2

19b. Land Jurisdiction Map: ☒ Figure 1

19c. Background Research Map(s): ☒ Figure 3 (projects), Figure 4 (sites)

19d. GLO Map(s): ☒ Figure 4

19e. References: ☒

SECTION 20. CONSULTANT CERTIFICATION

I certify the information provided herein has been reviewed for content and accuracy and all work meets applicable agency standards.



Signature

Title

SECTION 21. DISCOVERY CLAUSE

If previously unreported cultural resources are identified during project activities, all ground disturbing activities in the vicinity of the discovery shall cease until the City of Scottsdale Historic Preservation Office is notified and the nature and significance of the discovery is evaluated.

In the event that previously unreported cultural resources are encountered during ground disturbing activities, all work must immediately cease within 30 meters (100 feet) until a qualified archaeologist has documented the discovery and evaluated its eligibility for the Arizona or National Register of Historic Places in consultation with the lead agency, the SHPO, and Tribes, as appropriate. Work must not resume in this area without approval of the lead agency.

If human remains are encountered during ground-disturbing activities, all work must immediately cease within 30 meters (100 feet) of the discovery and the area must be secured. The Arizona State Museum, lead agency, SHPO, and appropriate Tribes must be notified of the discovery. All discoveries will be treated in accordance with NAGPRA (Public Law 101-601; 25 U.S.C. 3001-3013) or Arizona Revised Statutes (A.R.S. § 41-844 and A.R.S. § 41-865), as appropriate, and work must not resume in this area without authorization from ASM and the lead agency.

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References Cited

Adams, Kim

- 1995 *Archaeological Assessment of Arizona Public Service Company's Dixela 69kV Powerline along Jomax Road, Maricopa County, Arizona.* Archaeological Consulting Services, Tempe.

Archual, Adam J.

- 2008 *Cultural Resources Survey for the Arizona Public Service Company's Dale Via Dona OH 69kV New Build on an Existing State Land Right-of-Way in North Scottsdale, Maricopa County, Arizona.* Archaeological Consulting Services, Tempe.

Boloyan, David

- 2004 *2004 Archaeological Survey: Ten Acres on the Northwest Corner of Redbird Road and 91st Street, Scottsdale, Maricopa County, Arizona.* Boloyan Archaeological Services, Tempe, Arizona.
- 2011 *Class III Archaeological Survey: 10 Acres Located in Section 31, T5N R5E, Maricopa County, Arizona.* David S. Boloyan Archaeological Services, Phoenix, Arizona.

Boloyan, David S.

- 2002 *Archaeological Survey: Ten Acres Including the Remains of the Palmer Homestead in North Scottsdale, Maricopa County, Arizona.* Manuscript on file, David S. Boloyan Archaeological Services. Manuscript on file, Tempe.
- 2005 *Desert View Communities at 8770 East Bronco Trail.* On file, City of Scottsdale. Boloyan Archaeological Services, Tempe, Arizona.

Breternitz, Cory D.

- 1986 *Test Excavations at Three Archaeological Sites in the Pinnacle Peak Urban Lands Project, Maricopa County, Arizona.* Soil Systems, Phoenix.

Breternitz, Cory Dale

- 2004 *A Cultural Resources Survey of Approximately 40 Acres of Private Land at the Northeast Corner of 94th Street and Jomax Road in North Scottsdale, Maricopa County, Arizona.* Technical Report No. 04-07. Soil Systems, Phoenix, Arizona.

Brown, David E., and Charles H. Lowe

- 1980 *Biotic Communities of the Southwest.* General Technical Report RM-78. Rocky Mountain Forest and Range Experiment Station, US Department of Agriculture, Forest Service.

Brown, Gregory B., and Diane L. Douglas

- 1998 *An Archaeological Survey of 163 Acres of State Trust Land for the Proposed Rawhide Wash Detention Basin in North Scottsdale, Maricopa County, Arizona.* Logan Simpson Design, Tempe.

Cogswell, James

- 2005 *A Cultural Resources Survey of 19.4 Acres at the Northwestern Corner of 84th Street and Dynamite Road, Scottsdale, Maricopa County, Arizona.* Technical Report No. 05-57. Northland Research, Inc., Tempe, Arizona.

Crownover, C. Scott

- 1996 *An Archaeological Survey of a 100-Acre Parcel Near the Intersection of Dynamite Road and 93rd Street, North Scottsdale, Maricopa County, Arizona.* Archaeological Consulting Services, Tempe.

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DeMaagd, Holly S.

- 1996 *Archaeological Survey for the Widening of the Access Road to Arizona Public Service Company's Dale Substation, Scottsdale, Maricopa County, Arizona.* Archaeological Consulting Services, Tempe.

Diehl, Allison Cohen

- 1999 *Cultural Resources Survey of a Proposed Well Site Near Campbell Avenue and Eighth Street, Tucson, Arizona.* Project Report No. 99-188. Desert Archaeology, Tucson.

Doak, David

- 2010 *A Class III Archaeological Survey of a Communications Line Corridor Located within the Right-of-Way for Jomax Road, in Scottsdale, Maricopa County, Arizona.* Tierra Archaeological Report No. 2010-74. Tierra Right of Way Services, Ltd., Tucson, Arizona.

Ellis, J. Grace

- 2000 *A Cultural Resources Survey of 5 Acres of Private Land for the Living Word Facility, North Scottsdale, Maricopa County, Arizona.* Technical Report No. 00-27. Soil Systems, Inc., Phoenix, Arizona.

Ellison, Travis I.

- 2008 *Class I Records Search and Class III Cultural Resources Inventory of a 5,445-Foot-Long Buried Cable and Conduit Route along Jomax Road, Scottsdale, Maricopa County, Arizona.* EnviroSystems Management, Flagstaff.

Fangmeier, Kristin L.

- 2009 *A Class I Cultural Resource Literature Review and Class III Pedestrian Survey for a City of Scottsdale Wireless Telecommunications Facility Replacement at 26906 North Pima Road in Scottsdale, Maricopa County, Arizona.* ACS Project No. 09-030-02-08. Archaeological Consulting Services, Ltd., Tempe, Arizona.

Hackbarth, Mark R.

- 1988 Letter report to Kvamme 4-25-88 (Project 88-025). Manuscript on file, Archaeological Consulting Services. Manuscript on file, Tempe.

Hartman, G. W.

- 1973 General Soil Map, Maricopa County, Arizona, With Soil Interpretations for Land Use. U.S. Department of Agriculture, Soil Conservation Service, Washington D.C.

Hayden, Caitlin

- 2018 *Cultural Resources Survey of 20 Acres at the Northwest Corner of Happy Valley Road and Pima Road, Scottsdale, Maricopa County, Arizona.* SWCA Environmental Consultants, Phoenix, Arizona.

Hopkins, Maren

- 2009 *A Cultural Resources Survey of Approximately 8 Acres Located Northwest of Pima Road and Dynamite Boulevard, Scottsdale, Maricopa County, Arizona.* Technical Report No. 09-48. Northland Research, Inc., Tempe, Arizona.

Irwin, Donald C.

- 1989 Letter report to Mr. R. Larkin regarding East Jomax Substation. Manuscript on file, Archaeological Consulting Services. Manuscript on file, Tempe.

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Jackman Jensen, Karolyn

- 1994 *An Archaeological Survey of Dynamite Road Between Hayden and Pima Roads, Scottsdale, Maricopa County, Arizona.* Archaeological Consulting Services, Tempe.

Jamie, Zak

- 2008 *A Class III Cultural Resources Survey of 3,400 Linear Feet (7.8 Acres) for an Eight-Inch Sewer Main in the City of Scottsdale Near Happy Valley Road and Hayden Road, Scottsdale, Maricopa County, Arizona.* Logan Simpson Design, Phoenix.

Jones, Jeffrey T.

- 2000 *Cultural Resources Survey of Existing Access Road and Proposed Equipment Pad Site Near Jomax and Hayden Roads in Scottsdale, Arizona.* Letter Report No. 2000.029. Old Pueblo Archaeology Center, Tucson.

Larkin, Robert

- 2000 *Bronco Trail Lot Split Located East of Pima Road and North of Happy Valley Road.* On file, City of Scottsdale. Stantec Consulting, Tempe, Arizona.

Lausten, Bryan A.

- 2004 *A Cultural Resources Survey of Approximately 94 Acres for an Arsenic Removal Demonstration Project Pipeline Between Loop 101 and Jomax Road, Scottsdale, Maricopa County, Arizona.* LSD Technical Report No. 035299B. Logan Simpson Design, Tempe.

Luchetta, Sarah, and James Moses

- 2009 *A Class I and Class III Cultural Resources Assessment Survey of a Proposed Wireless Telecommunications Facility AT&T Mobility H069 Located at 25807 North Pima Road in Scottsdale, Maricopa County, Arizona.* Antigua Archaeology, LLC, Prescott, Arizona.
- 2010 *A Class I and Class III Cultural Resources Assessment Survey of a Proposed Wireless Telecommunications Facility AT&T Mobility H273-03 Located at 25417 North 86th Street in Scottsdale, Maricopa County, Arizona.* Antigua Archaeology, LLC, Prescott, Arizona.

Lundin, Deil R.

- 2001a *An Archaeological Survey of 4.3 Miles along Dynamite Road in North Scottsdale, Maricopa County, Arizona.* Cultural Resources Report No. 01-319. SWCA Environmental Consultants, Phoenix.
- 2001b *An Archaeological Survey of Pima Road Between Jomax Road and Union Hills Drive and Associated Pump Stations for the Irrigation Water Distribution System (IWDS) Trunkline, North Scottsdale, Maricopa County, Arizona.* Cultural Resources Report No. 01-279. SWCA Environmental Consultants, Phoenix.

Madsen, John H.

- 1982 Letter report regarding survey for ASLS 16-85792. Manuscript on file, Archaeology Section, Arizona State Museum, University of Arizona. Manuscript on file, Tucson.
- 1985 Letter report 16-81153. Manuscript on file, Arizona State Museum, University of Arizona. Manuscript on file, Tucson.

Mitchell, Douglas R., and Cara Schmidt

- 2004 *Archaeological Evaluation of 123 Acres for the Desert Highland Development, Scottsdale, Maricopa County, Arizona.* Cultural Resources Report No. 04-305. SWCA Environmental Consultants, Phoenix.

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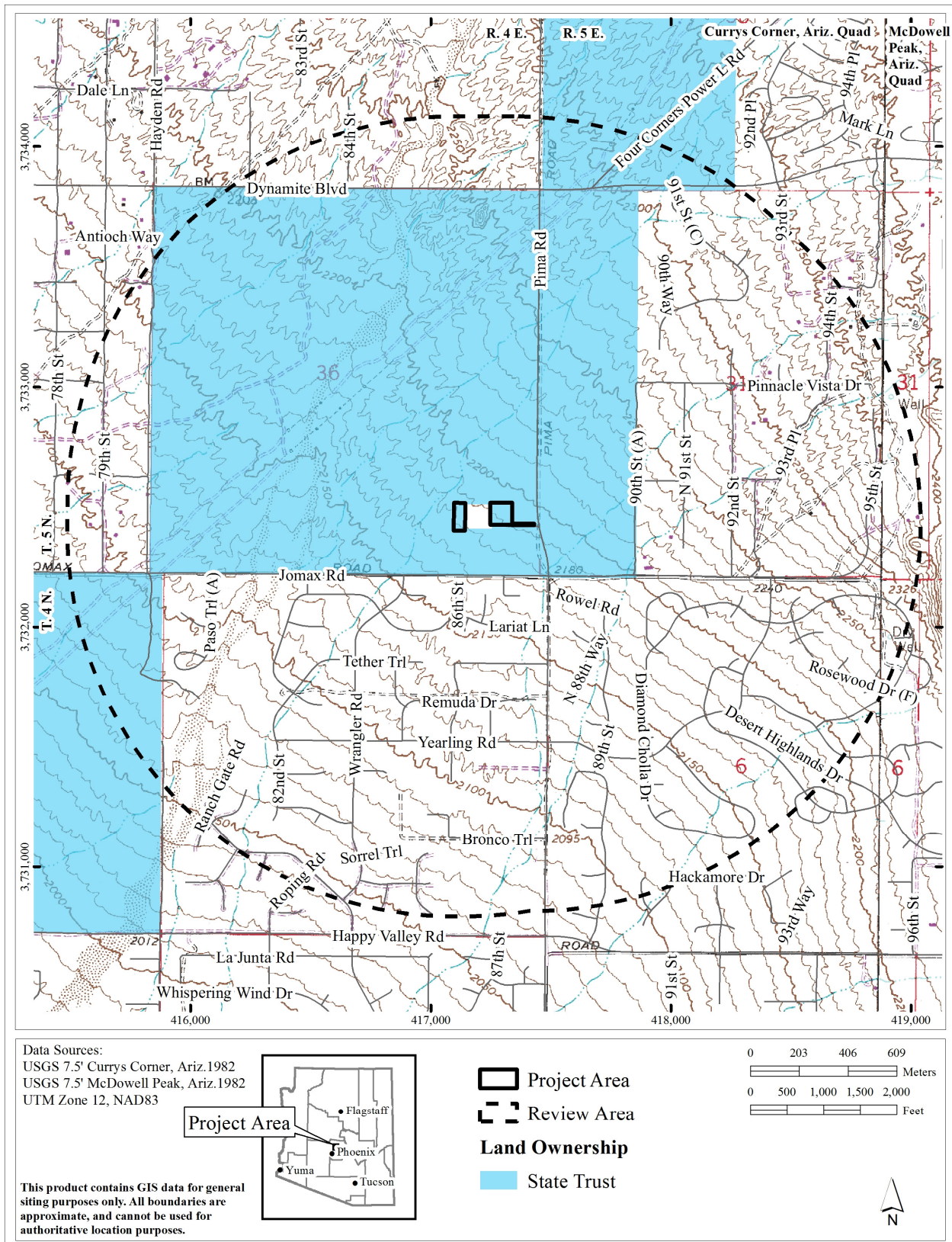


Figure 1. Portion of the USGS 7.5' Currys Corner and McDowell Peak, Ariz., topographic quadrangles showing the location of the project area (T5N, R4E, S36) and land jurisdiction.

STATE HISTORIC PRESERVATION OFFICE
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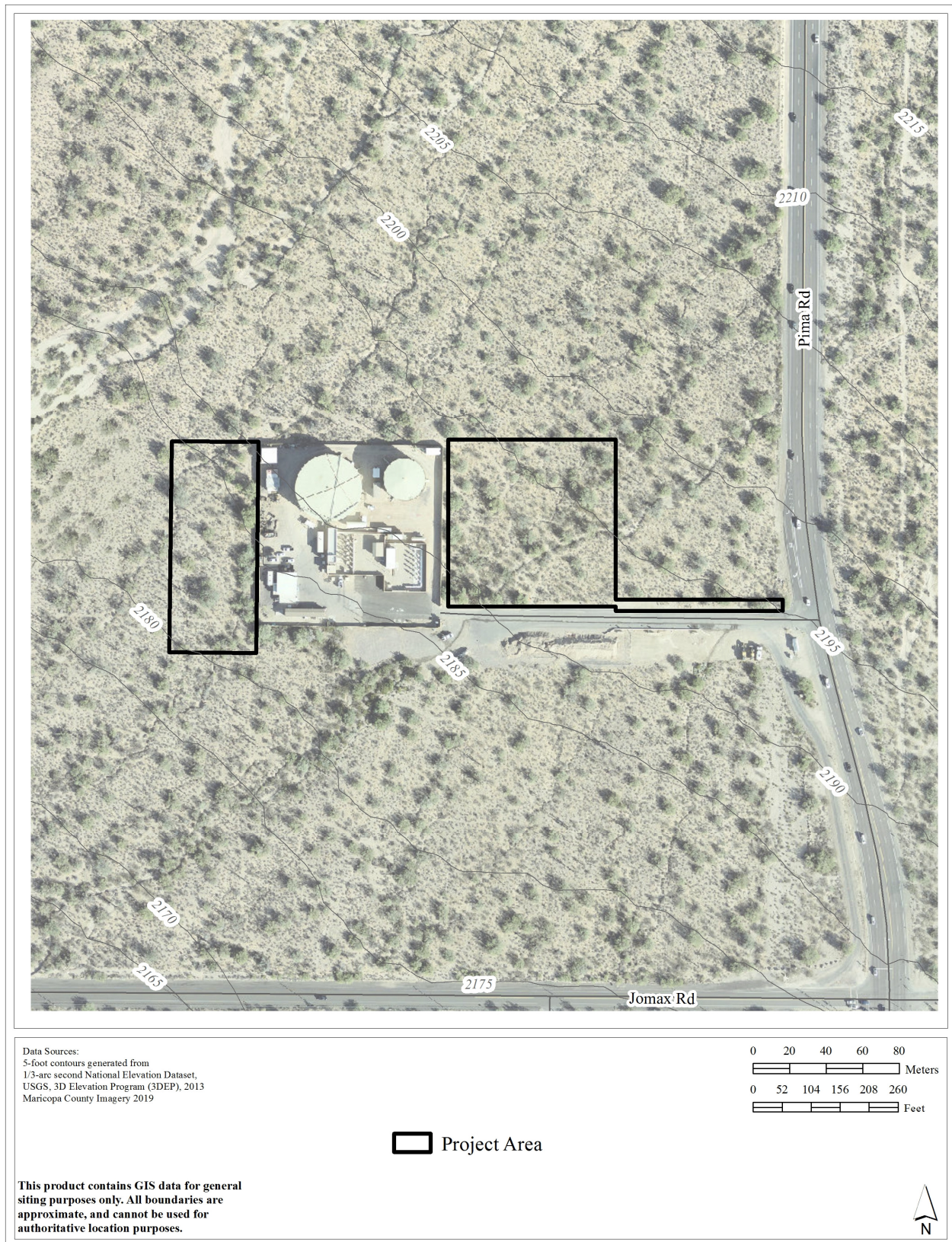


Figure 2. Contemporary aerial showing the project area (T5N, R4E, S36).

January 2016 (Rev. 1)

7-UP-2019
8/2/2019

**STATE HISTORIC PRESERVATION OFFICE
SURVEY REPORT SUMMARY FORM**

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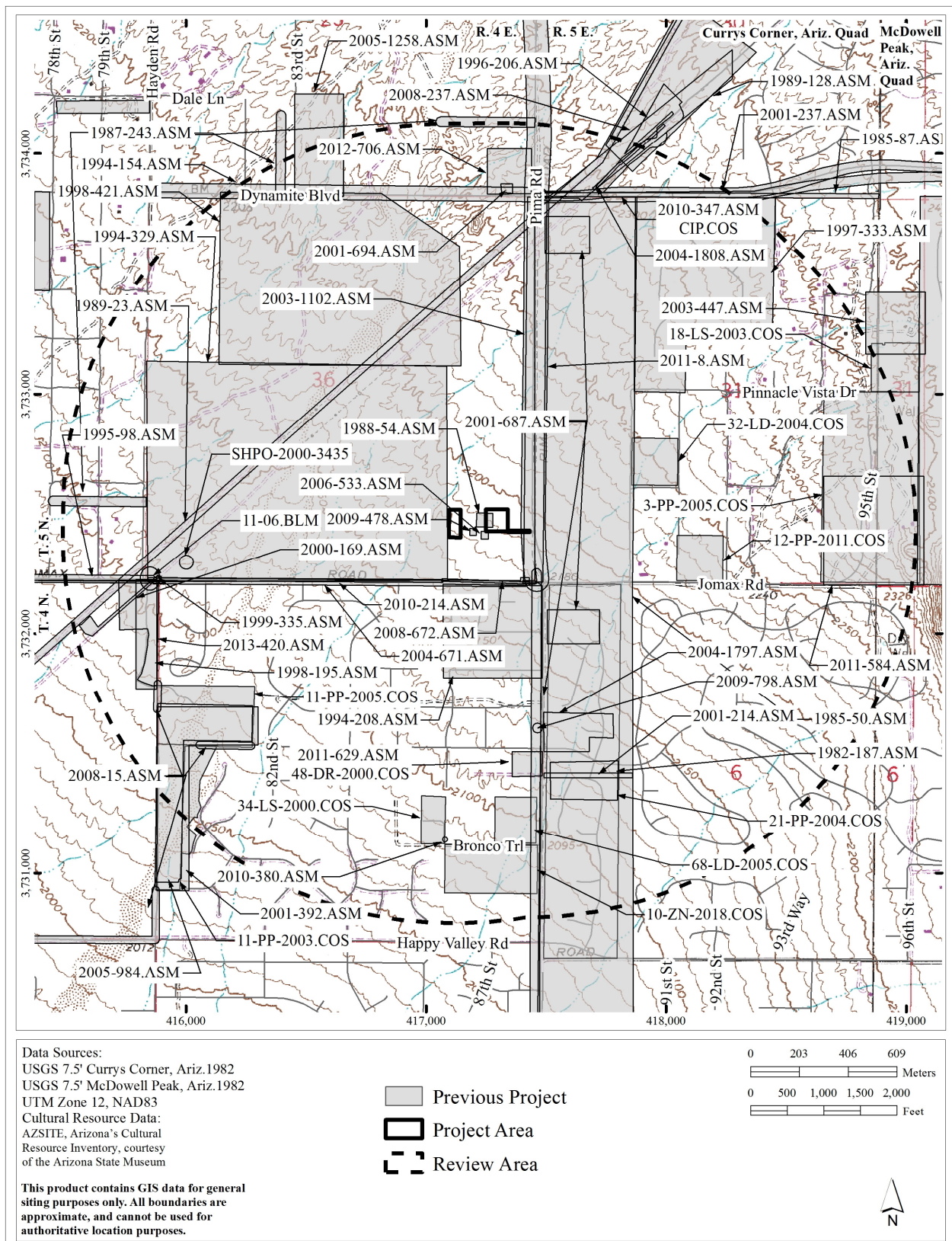


Figure 3. Portion of the USGS 7.5' Currys Corner and McDowell Peak, Ariz., topographic quadrangles showing previous projects within 1 mile of project area (T5N, R4E, S36).

January 2016 (Rev. 1)

7-UP-2019
8/2/2019

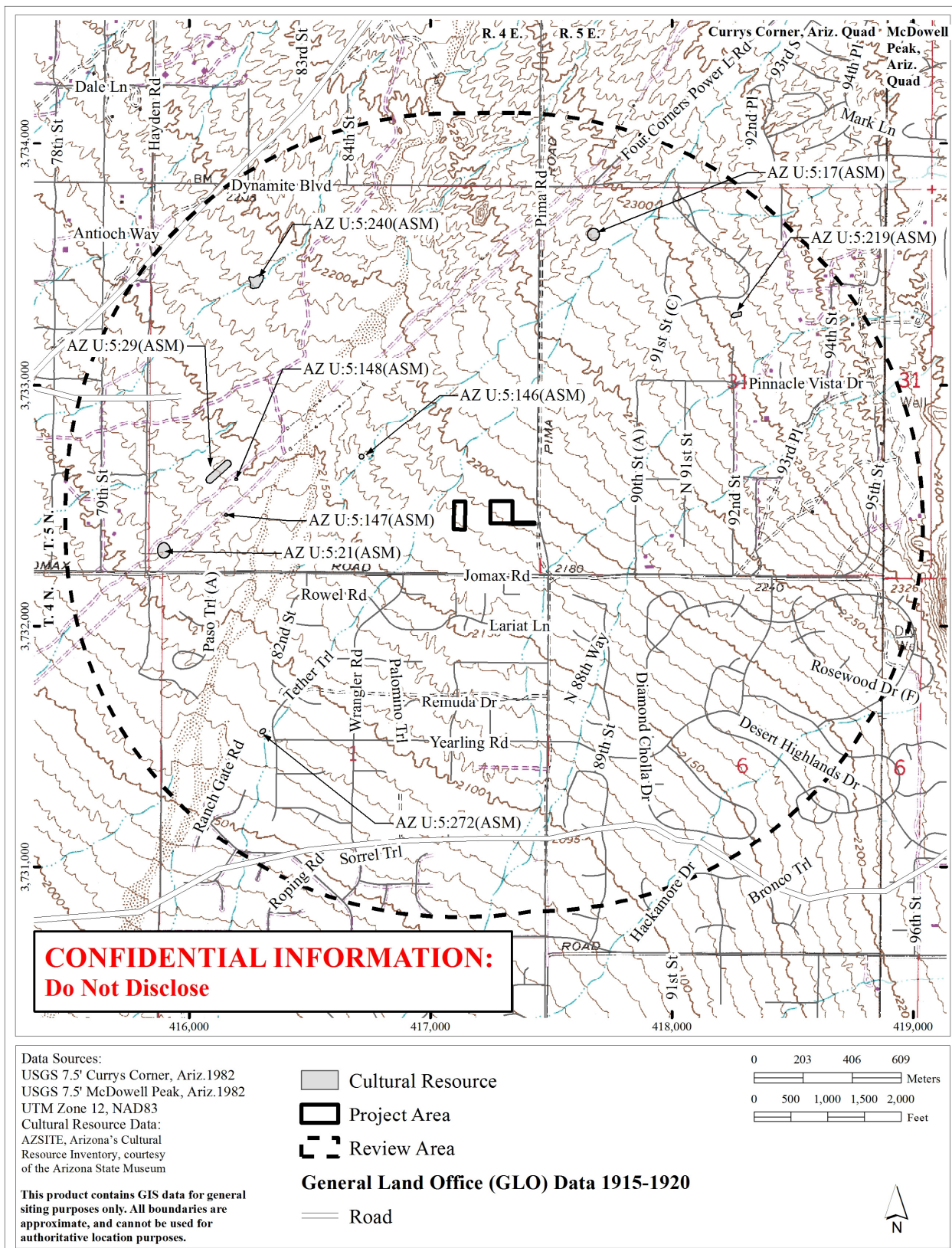


Figure 4. Portion of the USGS 7.5' Curry's Corner and McDowell Peak, Ariz., topographic quadrangles showing known sites within 1 mile of project area (T5N, R4E, S36).

Douglas A. Ducey
Governor



Lisa A. Atkins
Commissioner

Arizona State Land Department

1616 West Adams, Phoenix, Arizona 85007
(602) 542-4631

May 17, 2019

James Rees
Rights of Way Section
Arizona State Land Department
1616 W. Adams
Phoenix, Arizona 85007

RE: Survey Review for Application 16-120434-00-100 (City of Scottsdale)

Dear Mr. Rees:

City of Scottsdale filed an Application for Right of Way (ROW) (16-120434-00-100) with the Arizona State Land Department (ASLD) for the construction of an above ground water storage tank on State Trust Land in Maricopa County (T5N R4E, Section 36), encompassing 1.534 acres. City of Scottsdale arranged for Archaeological Consulting Services, Ltd. (ACS) to inspect the subject area for cultural resources. That inspection was conducted under Arizona Antiquities Act Permit No. 2018-29bl and is documented in the report titled *A Class III Cultural Resource Survey of 3.56 Acres near the Intersection of Pima Road and Jomax Road, City of Scottsdale, Maricopa County, Arizona* (March 6, 2019). Therefore, per the 2016 Interagency Service Agreement (ISA) between the ASLD, the State Historic Preservation Office (SHPO), and the Arizona State Museum (ASM), ASLD has reviewed the report and has the following comments and recommendations.

The report indicates that ACS inspected 3.56 acres of State Trust land and no cultural resources were identified. ACS recommends a finding of No Historic Properties Affected and that no additional work is required, and ASLD Cultural Resources Section concurs with this recommendation. Therefore, the ASLD Cultural Resources Section recommends that ASLD Rights of Way Section grant Right of Way 16-120434-00-100 with the following conditions:

Prior to any ground disturbance in areas not previously subject to a cultural resources survey, as documented in the report reviewed herein (Rodriguez and Kovalchik, 2019), Grantee shall arrange for a permittee of the Arizona State Museum to inspect the area for cultural, historical, and paleontological remains and submit two copies and a PDF copy of the inspection report to the Arizona State Land Department Cultural Resources Section for review and approval.

7-UP-2019
8/2/2019

Letter to Mr. Rees
Application 16-120434-00-100
May 17, 2019
Page 2 of 2

If, following receipt of ASLD Cultural Resources Section approval to proceed, any additional archaeological, paleontological, or historical site or object, or Human remains or funerary object that is at least fifty years old is discovered during the course of ground disturbing activities, all work shall cease and the grantee shall notify the Director of the Arizona State Museum pursuant to A.R.S. §41-844, and Arizona State Land Department Cultural Resources Section Manager.

Your continued cooperation with this office in considering the potential for impacts to Arizona's cultural resources is appreciated. If you have any comments or concerns, please contact me at 602-542-6603 or by email at ccarrancho@azland.gov.

Sincerely,



Crystal C. Carrancho
Archaeological Projects Specialist

CC: Mary-Ellen Walsh, SHPO
Maria L. Muiser, City of Scottsdale
Lourdes Aguila, ACS
Keith Knoblock, ASM

Enclosure: Tribal Consultation List

7-UP-2019
8/2/2019

Arizona State Land Department Cultural Resources Section
Tribal Consultation List

If you have any comments or concerns, please provide them at this time. If there are none, this document may be retained for your records. Should you require additional documentation, i.e. maps or reports, please request via email for digital copies.

Application No.: 16-120434-00-100

Date: May 17, 2019

Tribes:

- ☐ Ak-Chin Indian Community
- ☐ Chemehuevi Indian Tribe
- ☐ Cocopah Indian Tribe
- ☐ Colorado River Indian Tribes
- ☒ Fort McDowell Yavapai Nation
- ☐ Fort Mojave Indian Tribe
- ☐ Fort Sill Apache Tribe
- ☐ Fort Yuma-Quechan Tribe
- ☐ Gila River Indian Community
- ☐ Havasupai Tribe
- ☒ Hopi Tribe
- ☐ Hualapai Tribe
- ☐ Kaibab Band of Paiute Indians
- ☐ Mescalero Apache Tribe
- ☐ Moapa Band of Paiute Indians
- ☐ Navajo Nation
- ☐ Paiute Indian Tribe of Utah
- ☒ Pascua Yaqui Tribe
- ☒ Pueblo of Zuni
- ☒ Salt River Pima-Maricopa Indian Community
- ☐ San Carlos Apache Tribe
- ☐ San Juan Southern Paiute
- ☐ Tohono O'odham Nation
- ☒ Tonto Apache Tribe
- ☐ Ute Mountain Ute
- ☒ White Mountain Apache Tribe
- ☒ Yavapai-Apache Nation
- ☐ Yavapai-Prescott Indian Tribe
- ☐ Pueblo of Acoma

Traffic Engineering Division Memorandum

DATE: July 11, 2016

TO: Phillip Kercher, Traffic Engineering and Operations Manager *PK*

FROM: Alan Ruck, Traffic Engineering Analyst *A.R.*

SUBJECT: Speed Study – Jomax Road, Scottsdale Road to Pima Road

RECOMMENDATION

It is recommended that the posted speed limit on Jomax Road from Scottsdale Road to Pima Road remain at 45 miles per hour.

BACKGROUND

Arizona State Traffic Law allows local authorities within their respective jurisdictions to determine and/or change the maximum speed limit for all arterial streets as well as business and residential districts to a reasonable and safe speed based on engineering and traffic investigations (*Arizona Revised Statutes Title 28, Article 6, Section 28-703*). It is a widely accepted practice among traffic engineers to consider speed characteristics such as the 85th percentile value and the 10 mile per hour pace when determining a safe and reasonable speed. The 85th percentile speed is the speed at or below which 85 percent of the vehicles are moving. The 10 mile per hour pace is the range of speeds that has the greatest number of observations. Research has shown that the 85th percentile speed coincides with the lowest collision rates and reflects a safe speed for existing conditions as perceived by the majority of motorists.

In addition to evaluating speed data, a speed study investigates roadway geometry, roadside development, roadway hazards, bicycle and pedestrian traffic, and collision history. These factors are outlined in the *Manual on Uniform Traffic Control Devices* (MUTCD), which is the national set of standards for traffic control devices.

STUDY

The MUTCD published by the United States Department of Transportation and the Federal Highway Administration suggests that the posted speed limit should be within 5 MPH of the 85th percentile speed of free-flowing traffic. The MUTCD states that the following other factors may be considered in determining speed limits:

- A. Road surface characteristics, shoulder condition, grade, alignment, and sight distances.
- B. The pace speed.
- C. Roadside development and environment.
- D. Parking practices and pedestrian activity.
- E. Reported crash experience for at least a 12-month period.

STUDY SEGMENT

The street selected for this study is Jomax Road from Scottsdale Road to Pima Road, classified as a Minor Collector – Rural in the City's Transportation Mater Plan.

Jomax Road originates in the City of Phoenix, but within the City of Scottsdale it runs from Scottsdale Road to 95th Street (approximately 2.75 miles in length). The study segment from Scottsdale Road to Pima Road is two miles long. There is a traffic signal at the beginning of the

study segment, at the intersection of Scottsdale Road and Jomax Road. A stopped controlled intersection exists at the end of the study segment, at the intersection of Pima Road and Jomax Road. All other intersections within the study segment are stop controlled on the minor approach. A map of the study segment can be found in **Appendix A**.

The posted speed limit for the segment is 45 miles per hour, and has a volume of 1300 vehicles per day as per the *City of Scottsdale's 2014 Traffic Volume and Collision Rate Data*.

Roadway Characteristics

For the entirety of the study segment, Jomax Road provides one travel lane in each direction, separated by a double yellow center stripe. There are no right or left-turn bays for the side street approaches along the segment. A left-turn bay is present at Scottsdale Road. There is no curb and gutter, but a paved shoulder of approximately 5 feet exists on either side of the roadway.

The study segment is relatively straight and flat, however, some changes in the horizontal and vertical curves do exist. For the posted speed limit of 45 miles per hour (and assumed design speed of 55 miles per hour) there is adequate sight distance throughout the study segment. There are several locations along the segment where drainage crossings flow over the road surface.

Roadside Development and Environment

The development along Jomax Road consists primarily of low density, single-family residential lots designated as Environmentally Sensitive Lands (ESL), with the exception of Redeemer Lutheran Church located on Jomax Road at 7th Street. Between 76th Street and 78th Street, the church and a few residential lots on the north side have direct driveway access to Jomax Road.

Parking/Pedestrian Characteristics

There is no on-street parking along Jomax, however, vehicles have been observed parking on the graded embankments on both sides of the roadway. There are also no pedestrian or bicycle facilities along this segment of Jomax Road, therefore any pedestrians or cyclists must use the graded embankments or paved shoulder.

Speed Characteristics

Vehicle speed data was collected using pneumatic tube counters for both directions at three locations along Jomax Road. The recorded measurements spanned a period greater than 24 hours during a typical week in June of 2014. The speed data sheets are contained in **Appendix B**, and the associated speed characteristics have been compiled in **Table 1** below.

Table 1: Jomax Speed Characteristics

Location	Date	Posted Speed	Dir	Average	Median	85th Percentile	10 MPH Pace	% of Veh in Pace	% Exceeding Limit
E of 74th St.	6/2/2014	45	EB	47	49	56	47-56	44.9	76.9
			WB	48	49	56	46-55	48.4	77.1
W of Hayden Rd.	6/2/2014	45	EB	54	57	65	55-64	51.4	72.5
			WB	52	53	60	51-60	53.5	44.5
W of Pima Rd.	6/2/2014	45	EB	33	36	47	40-49	33.9	37.8
			WB	47	50	59	50-59	40.8	80.4

East of 74th Street, observed 85th percentile speeds were eleven (11) miles per hour over the posted speed limit, and average speeds were three (3) to four (4) miles per hour over the posted speed limit. The posted speed limit is slightly below the low end of the 10 mile per hour pace speed in both directions.

West of Hayden Road, observed 85th percentile speeds were fifteen (15) to twenty (20) miles per hour over the posted speed limit, and average speeds were seven (7) to nine (9) miles per hour over the posted speed limit. The posted speed limit is below the 10 mile per hour pace speed in both directions.

West of Pima Road, 85th percentile speeds were two (2) to fourteen (14) miles per hour above the posted speed limit, and average speeds were twelve (12) below to two (2) above the posted speed limit. The posted speed limit is within the 10 mile per hour pace speed in the eastbound direction and lower than the 10 mile per hour pace speed in the westbound direction.

Crash Experience

For this study, historical collision data from the City's collision database was evaluated from 2011 through 2014. Detailed collision data is available in **Appendix C**.

I. Intersection Collisions

The study segment runs between the signalized intersection of Scottsdale Road and Jomax Road and a stop controlled intersection at Pima Road and Jomax Road. Table 2 presents the intersection collision data along the study corridor from 2011 to 2014. Any intersection within the study segment not shown in **Table 2** had no recorded collisions within the selected years.

Table 2: 2011-2014 Jomax Intersection Collision

Intersection	Manner of Collision					Total
	Rear End	Left Turn	Angle	Single Vehicle	Sideswipe	
Scottsdale Road	4	3	3	0	1	11
76 th Street	0	0	0	1	0	1
78 th Street	0	0	0	1	0	1
Pima Road	3	0	1	1	0	5

Note: collision rates are per million vehicles entering the intersection

The intersection of Scottsdale Road and Jomax Road had the largest number of collisions than all other intersection within the study segment. Eight (8) of the collisions observed at this intersection exclusively involved vehicles travelling north and southbound, and therefore did not involve vehicles travelling along Jomax Road.

II. Segment Collisions

Based on the *City of Scottsdale's 2014 & 2012 Traffic Volume and Collision Rate Data*, the collision rate for the study segment of Jomax Road from Scottsdale Road to Pima Road was 2.11 collisions per million vehicle miles in 2014 and 2.28 collisions per million vehicle miles in 2012. These collision rates exceeded the city wide average of 1.35 collisions per million vehicle miles in 2014 and the city wide average of 1.31 collisions per million vehicle miles in 2012. However, there were only two reported collisions in both 2014 and 2012 with low traffic volumes (1300 and 1200 vehicles per day, respectively).

CONCLUSION

The MUTCD recommends that the posted speed limit be within 5 miles per hour of the 85th percentile speed on a roadway. Pace speed, roadway characteristics, roadside development, and geometric characteristics should also be taken into account.

It is recommended that the posted speed limit on Jomax Road from Scottsdale Road to Pima Road remain at 45 miles per hour:

- There are many access points along Jomax Road, none of which have right or left turn bays
- There are some deviations in the horizontal and vertical curves, as well as several roadway wash crossings
- There are no dedicated pedestrian or bicycle facilities, hence pedestrians and cyclists have to use the graded embankment or paved shoulder
- Although 45 miles per hour is below the 85th percentile speeds, it is closer to the 10 mile per hour pace speeds

APPENDIX A

Aerial Mapping



APPENDIX B

Speed Data



City of Scottsdale
7447 E. Indain School Rd, Suite 205
Scottsdale, AZ 85251

Court By Ed
Jomax Rd W/of Pima Rd
6/2/14
Spd Vol EB & WB

Site Code: 000000000003
Station ID:

Latitude: 0' 0.0000 Undefined

EB	Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total	Pace Speed	Number in Pace
06/02/14	01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	12 PM	9	2	10	6	3	0	1	0	0	0	0	0	0	0	31	17-26	8
	13:00	8	2	9	5	2	0	0	0	0	0	0	0	0	0	26	16-25	7
	14:00	6	3	8	8	5	0	0	0	0	0	0	0	0	0	30	40-49	9
	15:00	4	3	13	3	3	0	0	0	0	0	0	0	0	0	26	37-46	10
	16:00	4	1	6	5	2	0	0	0	0	0	0	0	0	0	18	39-48	6
	17:00	9	4	5	5	1	0	0	0	0	0	0	0	0	0	24	16-25	7
	18:00	5	2	7	3	4	1	0	0	0	0	0	0	0	0	22	42-51	5
	19:00	2	1	4	3	2	0	0	0	0	0	0	0	0	0	12	42-51	4
	20:00	0	2	7	2	0	1	0	0	0	0	0	0	0	0	6	39-48	3
	21:00	0	0	2	1	2	0	1	0	0	0	0	0	0	0	1	39-48	1
	22:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	39-48	1
	23:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	39-48	1
	Total	47	20	71	43	24	2	2	0	0	0	0	0	0	0	209		
	Percent	22.5%	9.6%	34.0%	20.6%	11.5%	1.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak																		
Vol.																		
PM Peak	12:00	9	4	13	8	5	1	1	12:00							12:00		
Vol.																31		



City of Scottsdale

7447 E. Indain School Rd, Suite 205
Scottsdale, Az 85251

Count By Ed
Jomax Rd W/of Pima Rd
6/2/14
Spd Vol EB & WB

Site Code: 000000000003
Station ID:

Latitude: 0' 0.0000 Undefined

EB	Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total	Pace Speed	Number In Pace
	06/03/14	35	40	45	50	55	60	65	70	75	80	85	90	95	99			
	01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	39-48	1
	02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	47-56	1
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	05:00	6	1	7	8	3	0	0	1	0	0	0	0	0	0	20	42-51	14
	06:00	3	1	10	3	3	0	0	0	0	0	0	0	0	0	20	14-23	6
	07:00	3	7	18	14	4	0	0	0	0	0	0	0	0	0	26	40-49	12
	08:00	4	1	22	11	5	0	0	0	0	0	0	0	0	0	47	41-50	21
	09:00	10	3	8	9	5	0	0	0	0	0	0	0	0	0	44	41-50	23
	10:00	5	2	15	9	0	0	0	0	0	0	0	0	0	0	35	17-26	9
	11:00	5	2	12	5	4	0	0	0	0	0	0	0	0	0	36	38-47	14
	12 PM	4	2	13	5	6	1	0	0	0	0	0	0	0	0	28	39-48	10
	13:00	9	4	6	7	0	0	0	0	0	0	0	0	0	0	31	39-48	12
	14:00	5	2	5	4	4	0	0	0	0	0	0	0	0	0	26	18-27	7
	15:00	6	1	10	7	2	0	0	0	0	0	0	0	0	0	20	11-20	5
	16:00	4	2	13	4	2	0	0	0	0	0	0	0	0	0	26	39-48	9
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	19:00	1	1	5	2	1	0	0	0	0	0	0	0	0	0	14	40-49	5
	20:00	3	1	3	1	0	0	0	0	0	0	0	0	0	0	10	39-48	5
	21:00	0	0	5	1	3	0	0	0	0	0	0	0	0	0	8	21-30	2
	22:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	9	39-48	6
	23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	39-48	2
																0	*	*
	Total	74	41	172	108	55	2	1	1	0	0	0	0	0	0	454		
	Percent	16.3%	9.0%	37.9%	23.8%	12.1%	0.4%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
	AM Peak	09:00	07:00	08:00	07:00	07:00		08:00	04:00							07:00		
	Vol.	10	7	22	14	5		1	1							47		
	PM Peak	13:00	13:00	12:00	13:00	12:00										12:00		
	Vol.	9	4	13	7	6	1									31		



City of Scottsdale
7447 E. Indain School Rd, Suite 205
Scottsdale, AZ 85251

Count By Ed
Jomax Rd W/of Pima Rd
6/2/14
Spd Vol EB & WB

Site Code: 0000000000003
Station ID:

Latitude: 0' 0.0000 Undefined

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total	Pace Speed	Number in Pace
06/04/14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	44-53	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	1	8	6	6	0	0	0	0	0	0	0	0	0	21	43-52	12
05:00	2	0	7	2	3	0	0	0	0	0	0	0	0	0	14	38-47	6
06:00	4	4	8	10	4	0	0	0	0	0	0	0	0	0	30	41-50	11
07:00	6	6	14	15	7	0	1	0	0	0	0	0	0	0	49	41-50	18
08:00	9	5	16	11	8	0	1	0	0	0	0	0	0	0	50	42-51	15
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	21	16	53	44	29	0	2	0	0	0	0	0	0	0	165		
Percent	12.7%	9.7%	32.1%	26.7%	17.6%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	07:00	08:00	07:00	08:00		07:00								08:00		
Vol.	9	6	16	15	8		1								50		
PM Peak																	
Vol.																	

Total	142	77	296	195	108	4	5	1	0	0	0	0	0	0	828
Percent	17.1%	9.3%	35.7%	23.6%	13.0%	0.5%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

15th Percentile : 15 MPH
50th Percentile : 36 MPH
85th Percentile : 47 MPH
95th Percentile : 52 MPH

Stats
10 MPH Pace Speed : 40-49 MPH
Number in Pace : 281
Percent in Pace : 33.9%
Number of Vehicles > 45 MPH : 313
Percent of Vehicles > 45 MPH : 37.8%
Mean Speed(Average) : 33 MPH



City of Scottsdale
7447 E. Indain School Rd, Suite 205
Scottsdale, AZ 85251

Count By Ed
Jomax Rd W/of Pima Rd
6/2/14
Spd Vol EB & WB

Site Code: 000000000003
Station ID:

Latitude: 0' 0.0000 Undefined

WB	Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total	Pace	Number in Pace
	06/02/14	35	40	45	50	55	60	65	70	75	80	85	90	95	999		Speed	
	01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	12 PM	1	1	4	1	7	3	1	1	0	0	0	0	1	0	20	49-58	8
	13:00	0	2	1	3	3	9	2	0	1	0	0	0	0	0	21	53-62	10
	14:00	0	3	2	6	4	10	7	0	0	0	0	0	0	0	32	54-63	14
	15:00	0	1	4	2	12	12	4	2	0	0	0	0	0	0	37	51-60	21
	16:00	3	5	4	5	14	3	4	0	0	1	0	0	0	0	39	47-56	13
	17:00	2	8	4	3	6	8	4	0	0	0	0	0	0	0	35	32-41	9
	18:00	4	1	2	8	9	2	1	0	0	0	0	0	0	0	27	46-55	11
	19:00	0	0	1	2	6	4	6	0	0	1	0	0	0	0	20	54-63	10
	20:00	0	0	0	1	2	0	1	0	0	0	0	0	0	0	4	46-55	3
	21:00	1	0	0	2	0	1	1	0	0	0	0	0	0	0	5	58-67	1
	22:00	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3	46-55	3
	23:00	0	0	0	0	1	0	2	1	0	0	0	0	0	0	4	59-68	3
	Total	11	21	22	34	66	52	33	4	1	2	0	0	1	0	247		
	Percent	4.5%	8.5%	8.9%	13.8%	26.7%	21.1%	13.4%	1.6%	0.4%	0.8%	0.0%	0.0%	0.4%	0.0%			
AM Peak																		
Vol.																		
PM Peak																		
Vol.																		
	18:00	4	8	4	8	14	12	7	2	1	1	1	1	1	1	16:00		39



City of Scottsdale
7447 E. Indain School Rd, Suite 205
Scottsdale, AZ 85251

Count By Ed
Jomax Rd W/of Pima Rd
6/2/14
Spd Vol EB & WB

Site Code: 0000000000003
Station ID:

Latitude: 0' 0.0000 Undefined

WB	Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total	Pace Speed	Number in Pace
	06/03/14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	01:00	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	34-43	1
	02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	40-49	2
	06:00	0	0	1	1	5	1	1	0	0	0	0	0	0	0	9	46-55	6
	07:00	3	1	2	3	7	4	2	0	0	0	0	0	0	0	17	46-55	5
	08:00	0	0	2	6	10	5	2	2	0	0	0	0	0	0	12	54-63	5
	09:00	0	0	5	6	6	2	2	2	1	0	0	0	0	0	30	47-56	16
	10:00	0	1	2	6	5	7	2	1	1	0	0	0	0	0	21	47-56	10
	11:00	2	1	2	3	7	7	2	1	0	0	0	0	0	0	23	51-60	9
	12 PM	1	3	2	2	7	7	3	1	0	0	0	0	0	0	26	52-61	10
	13:00	1	3	7	4	4	6	3	0	0	0	0	0	0	0	28	42-51	8
	14:00	0	1	3	6	10	9	3	0	0	0	0	0	0	0	32	51-60	17
	15:00	1	1	1	5	10	5	2	1	0	0	0	0	0	0	28	47-56	12
	16:00	1	2	2	3	11	11	1	0	0	0	0	0	0	0	31	50-59	17
	17:00	0	2	3	3	15	18	5	0	0	0	1	0	0	0	47	52-61	28
	18:00	1	0	0	6	6	5	2	0	0	0	0	0	0	0	20	48-57	10
	19:00	1	0	1	3	6	7	1	1	0	0	0	0	0	0	20	52-61	10
	20:00	0	0	1	2	2	2	2	1	0	0	0	0	0	0	10	54-63	4
	21:00	0	1	1	5	2	3	2	2	0	0	0	0	0	0	16	46-55	6
	22:00	0	0	1	2	1	1	0	2	0	0	0	0	0	0	7	40-49	3
	23:00	0	1	0	1	0	2	0	0	0	0	0	0	0	0	4	57-66	1
	Total	11	22	35	65	107	97	34	12	1	0	1	0	0	0	385		
	Percent	2.9%	5.7%	9.1%	16.9%	27.8%	25.2%	8.8%	3.1%	0.3%	0.0%	0.3%	0.0%	0.0%	0.0%			
	AM Peak	07:00	07:00	09:00	09:00	09:00	11:00	08:00	09:00	10:00						09:00		
	Vol.	3	3	5	6	10	7	2	2	1						30		
	PM Peak	12:00	12:00	13:00	14:00	17:00	17:00	17:00	21:00			17:00				17:00		
	Vol.	1	3	7	6	15	18	5	2			1				47		



City of Scottsdale
7447 E. Indain School Rd, Suite 205
Scottsdale, AZ 85251

Count By Ed
Jomax Rd W/of Pima Rd
6/2/14
Spd Vol EB & WB

Site Code: 0600000000003
Station ID:

Latitude: 0' 0.0000 Undefined

Latitude: 0° 0.0000 Undefined

WB	Start		35		36		41		46		51		56		61		66		71		76		81		86		91		96		Pace	Number	
	Time																													Speed			in Pace
06/04/14	01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54-63	1	*	
	02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*		
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*		
	04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*		
	05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*		
	06:00	1	2	2	2	1	2	1	1	1	6	3	2	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
	07:00	0	0	0	3	2	3	2	3	2	10	10	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	51-60	5	
	08:00	0	0	0	4	3	3	3	3	3	3	3	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	53-62	7	
	09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	23	47-56	13
	10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Total		1	2	9	6	6	6	6	6	6	19	9	9	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52			
Percent		1.9%	3.8%	17.3%	11.5%	11.5%	11.5%	11.5%	11.5%	11.5%	36.5%	17.3%	17.3%	11.5%	11.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%				
AM Peak		06:00	06:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00	07:00	07:00	08:00	08:00																		
Vol.		1	2	4	4	3	3	3	3	3	10	5	5	4	4															08:00			
PM Peak																															23		
Vol.																																	
Total		23	45	66	105	105	105	105	105	105	192	158	158	73	16	16	16	16	2	2	2	2	1	1	0	0	1	0	0	684			
Percent		3.4%	6.6%	9.6%	15.4%	15.4%	15.4%	15.4%	15.4%	15.4%	28.1%	23.1%	23.1%	10.7%	2.3%	2.3%	2.3%	2.3%	0.3%	0.3%	0.3%	0.3%	0.1%	0.1%	0.0%	0.0%	0.1%	0.0%					

Stats
10 MPH Pace Speed : 50-59 MPH
Number in Pace : 279
Percent in Pace : 40.8%
Number of Vehicles > 45 MPH : 550
Percent of Vehicles > 45 MPH : 80.4%
Mean Speed(Average) : 47 MPH



City of Scottsdale

7447 E. Indain School Rd, Suite 205
Scottsdale, AZ 85251

Count By Ed
Jomax Rd E/Of N. 74th St
6/2/14
Spd & Vol EB & WB

Site Code: 0000000000001
Station ID:

Latitude: 0' 0.0000 Undefined

EB		Start	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Pace	Number
		Time	35	40	45	50	55	60	65	70	75	80	85	90	95	99	Speed	in Pace
06/02/14																		
01:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00		1	1	1	3	8	12	6	0	0	0	0	0	0	0	0	47-56	17
12 PM		1	0	2	8	8	12	13	2	0	0	0	0	0	0	0	50-59	22
13:00		0	1	8	8	8	7	6	3	0	0	0	0	0	0	0	42-51	15
14:00		3	0	1	11	11	14	8	2	0	0	0	0	0	0	0	47-56	20
15:00		0	0	3	4	11	12	7	2	1	0	0	0	0	0	0	47-56	20
16:00		0	0	5	5	3	18	6	3	0	0	0	0	0	0	0	49-58	23
17:00		1	0	8	9	9	26	10	0	1	0	0	0	0	0	0	48-57	34
18:00		1	0	4	5	5	13	9	3	1	0	0	0	0	0	0	50-59	19
19:00		2	1	5	7	7	8	5	0	0	0	0	0	0	0	0	49-58	11
20:00		0	0	3	3	3	3	1	2	0	0	0	0	0	0	0	41-50	6
21:00		1	0	4	4	4	4	6	1	0	0	1	0	0	0	0	52-61	8
22:00		0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	49-58	2
23:00		0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	45-54	2
Total		10	9	50	78	78	132	78	18	3	0	1	0	0	0	0		379
Percent		2.6%	2.4%	13.2%	20.6%	20.6%	34.8%	20.6%	4.7%	0.8%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%		
AM Peak		11:00	11:00	11:00	11:00	11:00	11:00	11:00										11:00
Vol.		1	1	3	8	8	12	6										31
PM Peak		14:00	15:00	13:00	14:00	14:00	17:00	12:00	13:00	15:00		21:00						17:00
Vol.		3	3	8	11	11	26	13	3	1		1						55



City of Scottsdale

7447 E. Indain School Rd, Suite 205
Scottsdale, Az 85251

Count By Ed
Jomax Rd E of N. 74th St
6/2/14
Spd & Vol EB & WB

Site Code: 0000000000001
Station ID:

Latitude: 0' 0.0000 Undefined

Latitude: 0' 0.0000 Undefined

EB	Start Time	1	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	80	81	85	86	90	91	95	96	99	Total	Pace Speed	Number in Pace	
	06/03/14	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	44-53	1	
	01:00	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	57-66	1	
	02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	44-53	1		
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*		
	04:00	0	0	0	0	0	0	4	4	12	4	4	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	22	47-56	16
	05:00	6	1	1	2	2	4	3	3	6	4	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	18	17-26	5	
	06:00	1	1	1	4	4	4	4	4	12	6	2	3	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	19	44-53	8	
	07:00	0	0	1	1	4	4	4	4	12	10	3	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	26	47-56	15	
	08:00	4	4	3	8	8	8	8	8	10	17	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	35	43-52	12	
	09:00	2	1	1	11	11	7	9	9	14	14	6	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	43	45-54	21	
	10:00	0	0	7	7	6	6	6	6	8	14	3	3	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	42	47-56	16	
	11:00	0	0	2	13	9	13	9	10	8	11	10	4	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	36	40-49	19	
	12 PM	0	0	2	11	11	11	11	10	10	10	10	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	47	43-52	21	
	13:00	0	0	1	5	8	5	8	5	10	10	4	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	32	47-56	16	
	14:00	1	1	1	3	5	3	5	3	5	5	3	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	19	44-53	8	
	15:00	0	0	0	0	1	14	1	14	8	8	6	6	2	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	32	46-55	20	
	16:00	1	1	1	3	1	13	14	8	13	13	8	9	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	42	46-55	23	
	17:00	0	0	1	4	4	8	4	8	13	13	9	9	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	38	48-57	21	
	18:00	1	0	0	0	1	13	13	6	6	6	6	6	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	31	46-55	16	
	19:00	0	0	0	7	8	7	8	5	9	9	5	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	31	47-56	16	
	20:00	2	3	3	4	4	4	4	4	4	4	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	19	45-54	5	
	21:00	0	0	1	6	4	4	4	4	5	5	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	18	40-49	9	
	22:00	0	0	0	3	2	3	2	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	6	42-51	4	
	23:00	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	23-32	1	
	Total	18	27	27	97	138	170	170	74	31	31	74	10	31	5.5%	3	0.5%	2	0.4%	2	0.4%	2	0.0%	0	0	0	0	0	0	562			
	Percent	3.2%	4.8%	4.8%	17.3%	24.6%	30.2%	30.2%	13.2%	5.5%	5.5%	13.2%	10.0%	7.0%	0.7%	0.5%	0.5%	0.4%	0.4%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
	AM Peak	05:00	10:00	11:00	11:00	09:00	09:00	09:00	10:00	09:00	09:00	10:00	10:00	07:00	04:00															09:00			
	Vol.	6	7	7	13	9	17	17	6	2	2	6	2	2	1															43			
	PM Peak	20:00	20:00	20:00	12:00	15:00	16:00	16:00	12:00	13:00	13:00	12:00	10:00	19:00	19:00															12:00			
	Vol.	2	3	3	11	14	13	13	10	4	4	10	4	1	1															47			



City of Scottsdale
7447 E. Indain School Rd, Suite 205
Scottsdale, AZ 85251

Count By Ed
Jomax Rd E/of N. 74th St
6/2/14
Spd & Vol EB & WB

Site Code: 0000000000001
Station ID:

Latitude: 0' 0.0000 Undefined

EB	Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total	Pace	Number in Pace
	06/04/14	35	40	45	50	55	60	65	70	75	80	85	90	95	99			
	01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	54-63	1
	02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	39-48	2
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	57-66	1
	04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	27-36	1
	05:00	3	1	3	3	1	3	1	0	0	0	0	0	0	0	22	49-58	13
	06:00	1	0	3	4	8	6	2	0	0	0	0	0	0	0	15	43-52	3
	07:00	1	1	6	4	12	5	1	0	0	0	0	0	0	0	24	49-58	12
	08:00	3	3	8	7	4	5	0	0	0	0	0	0	0	0	30	49-58	15
	09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	30	40-49	10
	10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Total	8	6	22	26	31	27	6	1	0	0	1	0	0	0	128		
	Percent	6.3%	4.7%	17.2%	20.3%	24.2%	21.1%	4.7%	0.8%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%			
	AM Peak	05:00	08:00	08:00	04:00	07:00	04:00	06:00	04:00			01:00				07:00		
	Vol.	3	3	8	7	12	8	2	1			1				30		
	PM Peak																	
	Vol.																	

Total	36	42	169	242	333	179	55	7	2	3	1	0	0	0	0	1069		
Percent	3.4%	3.9%	15.8%	22.6%	31.2%	16.7%	5.1%	0.7%	0.2%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%			

Stats

10 MPH Pace Speed : 47-56 MPH
Number in Pace : 480
Percent in Pace : 44.9%
Number of Vehicles > 45 MPH : 822
Percent of Vehicles > 45 MPH : 76.9%
Mean Speed(Average) : 47 MPH



City of Scottsdale

7447 E. Indain School Rd, Suite 205
Scottsdale, AZ 85251

Count By Ed
Jomax Rd E/Of N. 74th St
6/2/14
Spd & Vol EB & WB

Site Code: 000000000001
Station ID:

Latitude: 0' 0.0000 Undefined

WB		Start	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Pace	Number
		Time	35	40	45	50	55	60	65	70	75	80	85	90	95	99	Speed	In Pace
06/02/14			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00			1	3	2	12	8	6	1	0	0	0	0	0	0	0	47-56	15
12 PM			0	0	5	9	3	4	1	0	0	0	0	0	0	0	43-52	13
13:00			0	0	4	4	12	8	2	1	0	0	0	0	0	0	50-59	19
14:00			0	0	8	11	11	7	0	0	0	0	0	0	0	0	46-55	21
15:00			0	2	6	16	14	7	1	0	0	0	0	0	0	0	46-55	26
16:00			0	2	10	11	17	7	3	0	0	0	0	0	0	0	47-56	25
17:00			4	0	8	7	18	2	3	0	0	0	0	0	0	0	48-57	18
18:00			0	0	3	8	6	6	0	0	0	0	0	0	0	0	48-57	13
19:00			1	1	4	8	8	1	2	0	0	0	0	0	0	0	45-54	13
20:00			0	0	3	3	8	0	1	0	0	0	0	0	0	0	47-56	9
21:00			0	0	0	0	1	0	1	0	0	0	0	0	0	0	57-66	1
22:00			0	1	1	0	0	0	0	0	0	0	0	0	0	0	36-45	1
23:00			0	0	1	2	0	0	0	0	0	0	0	0	0	0	41-50	3
Total			6	10	55	91	106	48	15	1	0	0	0	0	0	0	332	
Percent			1.8%	3.0%	16.6%	27.4%	31.9%	14.5%	4.5%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		
AM Peak			11:00	11:00	11:00	11:00	11:00	11:00	11:00									
Vol.			1	3	2	12	8	6	1									11:00
PM Peak			17:00	15:00	16:00	15:00	17:00	13:00	16:00	13:00								33
Vol.			4	2	10	16	18	8	3	1								16:00
																		50



City of Scottsdale
7447 E. Indain School Rd, Suite 205
Scottsdale, AZ 85251

Court By Ed
Jomax Rd E of N. 74th St
6/2/14
Spd & Vol EB & WB

Site Code: 000000000001
Station ID:

Latitude: 0' 0.0000 Undefined

WB		Start	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Pace	Number
Time		35	40	45	50	55	60	65	70	75	80	85	90	95	99	Total	Speed	in Pace
06/03/14		0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	34-43	1
01:00		0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	54-53	1
02:00		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00		0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	39-48	2
05:00		0	0	2	5	2	0	0	1	0	0	0	0	0	0	11	42-51	7
06:00		0	2	3	7	3	8	0	0	0	0	0	0	0	0	23	52-61	9
07:00		1	3	4	7	11	11	0	3	0	0	0	0	0	0	29	46-55	13
08:00		1	5	3	4	10	6	1	3	0	0	0	0	0	0	33	49-58	12
09:00		0	1	5	10	14	4	3	0	0	0	0	0	0	0	37	47-56	21
10:00		0	0	11	13	12	3	0	0	0	0	0	0	0	0	39	44-53	25
11:00		0	2	4	9	10	7	2	0	0	0	0	0	0	0	34	46-55	17
12 PM		1	1	9	9	11	5	2	0	0	0	0	0	0	0	38	47-56	17
13:00		0	1	13	6	15	4	0	5	1	0	0	0	0	0	39	45-54	20
14:00		1	0	10	11	9	5	5	1	0	0	0	0	0	0	42	44-53	19
15:00		0	2	6	8	6	7	1	3	0	0	0	0	0	0	30	42-51	13
16:00		0	2	4	4	7	6	3	0	0	0	0	0	0	0	26	51-60	11
17:00		1	1	7	10	16	11	3	0	0	0	0	0	0	0	49	50-59	24
18:00		1	1	6	4	5	4	1	0	0	0	0	0	0	0	22	43-52	8
19:00		0	1	5	8	5	2	1	0	0	0	0	0	0	0	22	44-53	12
20:00		0	1	1	1	4	3	0	0	0	0	0	0	0	0	10	50-59	6
21:00		0	0	1	2	4	0	3	0	0	0	0	0	0	0	10	48-57	5
22:00		0	0	0	0	4	0	0	0	0	0	0	0	0	0	4	46-55	4
23:00		0	0	1	3	1	0	0	0	0	0	0	0	0	0	5	44-53	4
Total		6	23	97	122	149	75	30	4	4	1	0	0	0	0	507		
Percent		1.2%	4.5%	19.1%	24.1%	29.4%	14.8%	5.9%	0.8%	0.8%	0.2%	0.0%	0.0%	0.0%	0.0%			
AM Peak		07:00	08:00	10:00	10:00	09:00	06:00	07:00	08:00	08:00	05:00					10:00		
Vol.		1	5	11	13	14	8	3	3	3	1					39		
PM Peak		12:00	15:00	13:00	14:00	17:00	17:00	14:00	14:00	14:00						17:00		
Vol.		1	2	13	11	16	11	5	1	1						49		

7-UP-2019
8/2/2019



City of Scottsdale
7447 E. Indain School Rd, Suite 205
Scottsdale, Az 85251

Count By Ed
Jomax Rd W/of Hayden Rd
6/2/14
Spd & Vol EB & WB

Site Code: 0000000000002
Station ID:

Latitude: 0' 0.0000 Undefined

Latitude: 0° 0.0000 Undefined

EB																													
Start	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total	Pace	Number												
Time	35	40	45	50	55	60	65	70	75	80	85	90	95	99		Speed	in Pace												
06/02/14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*												
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*												
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*												
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*												
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*												
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*												
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*												
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*												
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*												
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*												
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*												
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*												
12 PM	2	0	0	0	4	17	11	3	0	0	0	0	0	0	37	56-65	22												
13:00	0	0	2	0	7	8	10	3	1	0	0	0	0	0	31	56-65	17												
14:00	2	0	0	2	9	11	10	3	1	0	0	0	0	0	38	53-62	18												
15:00	0	0	0	0	7	12	11	1	0	2	0	0	0	0	35	55-64	22												
16:00	0	0	1	3	1	10	12	4	2	0	0	0	0	0	33	57-66	20												
17:00	1	1	1	1	12	14	15	1	1	0	0	0	0	0	47	55-64	25												
18:00	1	0	0	0	6	7	11	5	2	0	0	0	0	0	32	56-65	16												
19:00	0	0	1	2	8	5	9	2	0	0	0	0	0	0	27	54-63	14												
20:00	0	0	1	1	7	4	3	0	2	0	0	0	0	0	18	51-60	10												
21:00	1	0	0	0	4	6	5	3	0	0	1	0	0	0	20	56-65	9												
22:00	0	0	0	0	2	0	0	1	0	0	0	0	0	0	3	45-54	2												
23:00	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	50-59	2												
Total	7	1	6	11	67	96	97	26	9	2	1	0	0	0	323														
Percent	2.2%	0.3%	1.9%	3.4%	20.7%	29.7%	30.0%	8.0%	2.8%	0.6%	0.3%	0.0%	0.0%	0.0%															
AM Peak																													
Vol.																													
PM Peak	12:00	17:00	13:00	16:00	17:00	12:00	17:00	18:00	16:00	15:00	21:00	17:00	17:00	17:00	17:00														
Vol.	2	1	2	3	12	17	15	5	2	2	1	1	1	1	47														



City of Scottsdale

7447 E. Indain School Rd, Suite 205
Scottsdale, Az 85251

Count By Ed
Jonmax Rd W/of Hayden Rd
6/2/14
Spd & Vol EB & WB

Site Code: 00000000000002
Station ID:

Latitude: 0' 0.0000 Undefined

Latitude: 0' 0.0000 Undefined

EB

Start Time	1 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 90	91 95	96 99	Total	Pace Speed	Number in Pace
06/03/14	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	54-63	1
01:00	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2	62-71	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
05:00	4	0	1	1	3	9	5	5	0	0	1	0	0	0	22	56-65	13
06:00	0	0	0	0	2	2	2	3	1	0	0	0	0	0	16	15-24	4
07:00	0	0	0	0	4	7	6	1	1	0	0	0	0	0	18	55-64	12
08:00	0	0	0	0	7	5	14	5	0	0	0	0	0	0	30	57-66	19
09:00	5	2	0	4	4	13	10	1	1	0	0	0	0	0	35	55-64	20
10:00	1	0	0	3	11	15	13	1	1	0	0	0	0	0	45	56-65	18
11:00	1	1	0	1	7	14	8	0	1	0	0	0	0	0	40	53-62	22
12 PM	0	0	0	1	6	22	7	3	0	0	0	0	0	0	35	53-62	20
13:00	0	0	0	0	5	11	8	3	1	0	0	0	0	0	46	55-64	31
14:00	2	0	0	1	4	6	6	4	0	0	0	0	0	0	28	54-63	18
15:00	2	1	0	0	7	15	7	5	0	0	0	0	0	0	23	58-67	9
16:00	2	0	0	0	9	16	14	4	1	0	0	0	0	0	29	58-67	10
17:00	1	0	0	0	7	8	14	4	0	0	0	0	0	0	45	56-65	24
18:00	0	0	0	2	3	9	6	3	0	1	1	0	0	0	36	57-66	19
19:00	0	0	0	1	7	8	6	1	1	0	0	0	0	0	25	56-65	14
20:00	3	1	0	3	2	6	1	0	3	0	0	0	0	0	26	53-62	15
21:00	0	0	1	0	6	4	3	0	1	0	0	0	0	0	18	50-59	5
22:00	0	0	0	0	2	3	0	0	0	0	0	0	0	0	14	52-61	9
23:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	5	53-62	4
Total	21	7	7	21	98	180	142	47	15	1	2	0	0	0	541	49-58	2
Percent	3.9%	1.3%	1.3%	3.9%	18.1%	33.3%	26.2%	8.7%	2.8%	0.2%	0.4%	0.0%	0.0%	0.0%			
AM Peak	09:00	08:00	10:00	09:00	10:00	09:00	07:00	04:00	05:00	04:00	04:00	0.0%	0.0%	0.0%	09:00		
Vol.	5	2	2	4	11	15	14	5	1	1	1				45		
PM Peak	20:00	15:00	12:00	20:00	16:00	12:00	16:00	15:00	19:00	17:00	17:00				12:00		
Vol.	3	1	2	3	9	22	14	5	3	1	1				46		



City of Scottsdale
7447 E. Indain School Rd, Suite 205
Scottsdale, AZ 85251

Count By Ed
Jomax Rd W/of Hayden Rd
6/2/14
Spd & Vol EB & WB

Site Code: 000000000002
Station ID:

Latitude: 0' 0.0000 Undefined

EB	Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total	Pace Speed	Number in Pace
	06/04/14	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	49-58	1
	01:00	0	0	0	1	0	1	0	1	0	0	0	0	0	0	3	62-71	1
	02:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	54-63	1
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
	04:00	0	0	0	1	0	8	8	5	0	0	0	0	0	0	22	56-65	15
	05:00	2	0	1	0	4	4	4	1	1	0	0	0	0	0	17	54-63	6
	06:00	3	1	0	1	3	6	9	3	0	1	0	0	0	0	27	58-67	10
	07:00	0	0	0	0	5	12	12	4	1	0	0	0	0	0	35	56-65	22
	08:00	0	0	0	1	7	13	9	3	0	1	0	0	0	0	33	55-64	21
	09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Total	5	1	1	4	19	45	43	17	2	2	0	0	0	0	139		
	Percent	3.6%	0.7%	0.7%	2.9%	13.7%	32.4%	30.9%	12.2%	1.4%	1.4%	0.0%	0.0%	0.0%	0.0%			
	AM Peak	06:00	06:00	05:00	01:00	08:00	08:00	07:00	04:00	05:00	06:00							
	Vol	3	1	1	1	7	13	12	5	1	1					07:00		
	PM Peak															35		
	Vol																	

Total	33	9	14	36	184	321	282	90	26	5	3	0	0	0	0	1003		
Percent	3.3%	0.9%	1.4%	3.6%	18.3%	32.0%	28.1%	9.0%	2.6%	0.5%	0.3%	0.0%	0.0%	0.0%	0.0%			

Stats

10 MPH Pace Speed : 55-64 MPH
Number in Pace : 516
Percent in Pace : 51.4%
Number of Vehicles > 55 MPH : 727
Percent of Vehicles > 55 MPH : 72.5%
Mean Speed(Average) : 54 MPH



City of Scottsdale

7447 E. Indain School Rd, Suite 205
Scottsdale, Az 85251

Count By Ed
Jomax Rd W/of Hayden Rd
6/2/14
Spd & Vol EB & WB

Site Code: 0000000000002
Station ID:

Latitude: 0' 0.0000 Undefined

Latitude: 0' 0.0000 Undefined

WB	Start Time	1	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	80	81	85	86	90	91	95	96	99	Total	Pace Speed	Number in Pace
	06/02/14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	12 PM	0	0	0	0	0	0	2	2	8	9	7	3	6	1	1	1	0	0	0	0	0	0	0	0	0	0	0	21	50-59	14	
	13:00	1	0	0	3	3	3	2	5	12	9	10	4	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0	31	52-61	16	
	14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	36	51-60	20	
	15:00	1	1	1	2	2	4	4	6	16	16	16	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	51-60	27	
	16:00	1	0	0	0	0	5	6	6	12	12	20	3	3	2	2	1	0	0	0	0	0	0	0	0	0	0	0	49	51-60	28	
	17:00	1	1	1	1	1	1	5	5	12	13	13	4	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	38	51-60	21	
	18:00	0	0	0	0	0	1	1	1	11	9	8	2	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	24	50-59	18	
	19:00	1	1	1	3	3	2	2	3	6	6	8	4	4	1	1	1	0	0	0	0	0	0	0	0	0	0	0	26	53-62	11	
	20:00	0	0	0	0	0	2	3	3	5	5	1	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	13	48-57	7	
	21:00	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	3	49-58	2	
	22:00	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	44-53	1	
	23:00	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	57-66	1	
	Total	5	4	20	20	30	30	30	30	93	96	96	32	11.1%	2.8%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0	289			
	Percent	1.7%	1.4%	6.9%	6.9%	10.4%	10.4%	10.4%	10.4%	32.2%	33.2%	33.2%	33.2%	11.1%	2.8%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0	289			
	AM Peak																															
	Vol.																															
	PM Peak	13:00	15:00	16:00	16:00	16:00	16:00	16:00	16:00	15:00	16:00	16:00	16:00	13:00	13:00	16:00	14:00	14:00	14:00	14:00	14:00	14:00	14:00	14:00	14:00	14:00	14:00	16:00	49			
	Vol.	1	1	5	6	6	6	6	6	16	16	20	2	6	6	2	1	1	1	1	1	1	1	1	1	1	1	1	16:00	49		



City of Scottsdale
7447 E. Indain School Rd, Suite 205
Scottsdale, AZ 85251

Count By Ed
Jomax Rd W/of Hayden Rd
6/2/14
Spd & Vol EB & WB

Site Code: 000000000002
Station ID:

Latitude: 0' 0.0000 Undefined

Latitude: 0° 0.0000 Undefined

WB	Start Time	1	35	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	80	81	85	86	90	91	95	96	99	Total	Pace	Speed	Number in Pace
	06/03/14	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	44-53	1	
	01:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	54-63	1		
	02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
	04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
	05:00	0	0	1	1	1	2	3	6	10	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
	06:00	0	0	0	3	3	3	3	6	10	2	6	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	8	48-57	3	
	07:00	2	0	0	0	0	0	0	7	10	2	2	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	51-60	11	
	08:00	1	0	0	2	2	4	4	7	10	5	5	5	5	2	2	0	0	0	0	0	0	0	0	0	0	0	0	21	47-56	10	
	09:00	0	0	1	0	0	0	0	13	13	14	14	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	50-59	11	
	10:00	2	0	0	1	1	8	8	11	11	13	13	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	51-60	24	
	11:00	0	0	2	2	5	5	5	8	9	9	9	5	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	38	50-59	20	
	12 PM	1	0	0	1	7	7	7	11	12	8	8	7	7	7	1	0	0	0	0	0	0	0	0	0	0	0	0	32	50-59	15	
	13:00	1	0	0	5	5	5	5	12	12	12	12	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	51-60	17	
	14:00	0	0	0	4	4	7	7	9	9	8	8	7	7	2	2	0	0	0	0	0	0	0	0	0	0	0	0	36	51-60	20	
	15:00	1	1	1	0	0	6	6	14	14	7	7	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	49-58	17	
	16:00	0	0	2	2	2	4	4	9	9	8	8	4	4	0	0	1	1	0	0	0	0	0	0	0	0	0	0	32	49-58	18	
	17:00	0	0	0	0	0	8	8	17	17	17	17	6	6	2	2	0	0	0	0	0	0	0	0	0	0	0	0	30	52-61	14	
	18:00	0	0	0	0	0	3	3	5	5	7	7	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	51-60	32	
	19:00	0	0	0	3	3	4	4	7	7	6	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	51-60	11	
	20:00	0	0	1	1	1	1	1	3	3	3	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	51-60	12	
	21:00	0	0	1	0	0	3	3	3	3	3	3	1	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	8	48-57	3	
	22:00	0	0	0	0	0	0	0	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	51-60	5	
	23:00	0	0	0	1	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	51-60	4	
	Total	8	9	26	79	150	129	58	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	469			3
	Percent	1.7%	1.9%	5.5%	16.8%	32.0%	27.5%	12.4%	1.9%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%				
	AM Peak	07:00	2	2	3	8	13	14	5	2																			10:00			
	Vol.		2	2	3	8	13	14	5	2																			38			
	PM Peak	12:00	1	2	5	8	17	17	7	2																			17:00			
	Vol.		1	2	5	8	17	17	7	2																			50			



City of Scottsdale

7447 E. Indain School Rd, Suite 205
Scottsdale, AZ 85251

Count By Ed
Jomax Rd W/of Hayden Rd
6/2/14
Spd & Vol EB & WB

Site Code: 000000000002
Station ID:

Latitude: 0' 0.0000 Undefined

WB		1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total		Pace	Number
Start Time		35	40	45	50	55	60	65	70	75	80	85	90	95	99			Speed	In Pace
06/04/14		0	0	0	0	1	1	0	0	0	0	0	0	0	0	2		49-58	2
01:00		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		*	*
02:00		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		*	*
03:00		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		*	*
04:00		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		*	*
05:00		0	1	2	1	2	1	0	1	0	0	0	0	0	0	3		39-48	2
06:00		1	1	0	5	6	6	0	0	0	0	0	0	0	0	7		52-61	2
07:00		0	0	0	2	13	9	7	0	0	0	0	0	0	0	19		51-60	9
08:00		0	0	1	5	7	10	6	2	1	0	0	0	0	0	31		52-61	20
09:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	32		52-61	17
10:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*
11:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*
12 PM		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*
13:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*
14:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*
15:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*
16:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*
17:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*
18:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*
19:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*
20:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*
21:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*
22:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*
23:00		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*
Total		1	2	4	13	29	28	13	3	1	0	0	0	0	0	94			
Percent		1.1%	2.1%	4.3%	13.8%	30.9%	29.8%	13.8%	3.2%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak		06:00	05:00	05:00	06:00	07:00	08:00	07:00	08:00	08:00						08:00			
Vol.		1	1	2	5	13	10	7	2	1						32			
PM Peak																			
Vol.																			
Total		14	15	50	122	272	253	103	20	2	1	0	0	0	0	852			
Percent		1.6%	1.8%	5.9%	14.3%	31.9%	29.7%	12.1%	2.3%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			

Stats
10 MPH Pace Speed : 51-60 MPH
Number in Pace : 456
Percent in Pace : 53.5%
Number of Vehicles > 55 MPH : 379
Percent of Vehicles > 55 MPH : 44.5%
Mean Speed(Average) : 52 MPH

APPENDIX C

Collision Data

CITY OF SCOTTSDALE

'13 -'14 COLLISION SUMMARY

REPORT #	DATE YYMMDD	TIME HHMM	NORTH / SOUTH ST.	TYPE	EAST WEST ST.	TYPE	DIR FROM	DIST FROM	INJ. SEV #1 #2	PHYS. COND. #1 #2	VIOLATION #1 #2	ACTION #1 #2	TRAV. DIR. #1 #2	MANNER OF COLLISION	COMMENTS
13-06609	130321	1352	SCOTTSDALE	RD	JOMAX	RD	AT		1 1 0 0	2 1	2 1	2 3	NB NB	4	
13-06526	130320	1309	PIMA	RD	JOMAX	RD	AT		3 1 0 0	1 1	1 1	11 3	SB EB	2	
14-23825	141104	1740	SCOTTSDALE	RD	JOMAX	RD	AT		1 1 0 0		1	4 1	NB SB	3	MULTI VEH 3
14-19332	140907	0829	SCOTTSDALE	RD	JOMAX	RD	AT		1 1 0 0	6 1	1 1	1 1	EB NB	2	MULTI VEH 3
13-15440	130707	1032	PIMA	RD	JOMAX	RD	AT		1 1 0 0	2 1	1 4	EB EB	4		
13-18997	130820	0841	SCOTTSDALE	RD	JOMAX	RD	AT		1 1 0 0	2 1	1 3	SB SB	4		
13-21322	130917	1719	SCOTTSDALE	RD	JOMAX	RD	AT		1 1 0 0	2 1	1 1	3	SB SB	2	MULTI VEH 3
13-27137	131125	0730	PIMA	RD	JOMAX	RD	AT		1 1 0 0	4 1	1 3	EB SB	4		
13-27620	131201	0833	HAYDEN	RD	JOMAX	RD	W	483	1 0	2	1	EB	1		
13-20958	130913	1107	76	ST	JOMAX	ST	AT		1 0	97	6	WB	1		
14-05646	140311	0920	SCOTTSDALE	RD	JOMAX	RD	AT		1 99 0	99 4	1 1	3	SB SB	4	HIT AND RUN
14-11545	140524	0803	74	ST	JOMAX	RD	E	591	3 0	1	97	WB	1		BICYCLE
14-22541	141019	1304	SCOTTSDALE	RD	JOMAX	RD	AT		2 2 0 0	2 1	2 2	2	SB SB	4	

REPORT #	DATE YYMMDD HHMM	TIME	NORTH / SOUTH ST.	TYPE	EAST WEST ST.	TYPE	DIR FROM	DIST FROM	INJ. SEV. #1 #2	PHYS. COND. #1 #2	VIOLATION #1 #2	ACTION #1 #2	TRAV. DIR. #1 #2	MANNER OF COLLISION	COMMENTS
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KEY

INJURY SEVERITY: 1=NO INJURY, 2=POSSIBLE INJURY, 3=NON-INCAPACITATING INJURY, 4=INCAPACITATING INJURY, 5=FATAL INJURY, 99=NOT REPORTED / UNKNOWN
 PHYSICAL CONDITION: 0=NO APPARENT INFLUENCE, 1=ILLNESS, 2=PHYSICAL IMPAIRMENT, 3=FELL ASLEEP / FATIGUED, 4=ALCOHOL, 5=DRUGS, 6=MEDICATIONS, A=NO TEST GIVEN, B=TEST GIVEN, C=TEST REFUSED, D=TESTING UNKNOWN, 97=OTHER, 99=UNKNOWN

VIOLATION: 0=NO IMPROPER ACTION, 1=SPEED TOO FAST FOR CONDITIONS, 2=EXCEEDED LAWFUL SPEED, 3=FAILED TO YIELD RIGHT-OF-WAY, 4=FOLLOWED TOO CLOSELY, 5=FAILED TO OBEY STOP SIGN, 6=FAILED TO STOP FOR RED SIGNAL, 7=DISREGARDED TRAFFIC SIGNAL, 8=MADE IMPROPER TURN, 9=DROVE/RODE IN OPPOSING TRAFFIC LANE, 10=KNOWINGLY OPERATED WITH FAULTY / MISSING EQUIPMENT, 11=REQUIRED MOTORCYCLE SAFETY EQUIPMENT NOT USED, 12=PASSED IN NO PASSING ZONE, 13=UNSAFE LANE CHANGE, 14=FAILED TO KEEP IN PROPER LANE, 15=DISREGARDED PAVEMENT MARKINGS, 16=OTHER UNSAFE PASSING, 17=INATTENTION/DISTRACTION, 18=DID NOT USE CROSSWALK, 19=WALKED ON WRONG SIDE OF ROAD, 20=ELECTRONIC COMMUNICATIONS DEVICE, 97=OTHER, 99=UNKNOWN

ACTION: 1=NO IMPROPER ACTION, 2=SPEED TOO FAST FOR CONDITIONS, 3=EXCEEDED LAWFUL SPEED, 4=FOLLOWED TOO CLOSELY, 5=RAN STOP SIGN, 6=DISREGARDED TRAFFIC SIGNAL, 7=MADE IMPROPER TURN, 8=DROVE/RODE IN OPPOSING TRAFFIC LANE, 9=KNOWINGLY OPERATED WITH FAULTY / MISSING EQUIPMENT, 10=REQUIRED MOTORCYCLE SAFETY EQUIPMENT NOT USED, 11=PASSED IN NO PASSING ZONE, 12=UNSAFE LANE CHANGE, 13=FAILED TO KEEP IN PROPER LANE, 14=DISREGARDED PAVEMENT MARKINGS, 15=OTHER UNSAFE PASSING, 16=INATTENTION/DISTRACTION, 17=DID NOT USE CROSSWALK, 18=WALKED ON WRONG SIDE OF ROAD, 19=ELECTRONIC COMMUNICATIONS DEVICE, 20=FAILED TO YIELD RIGHT OF WAY (added August 2014), 97=OTHER, 99=UNKNOWN

MANNEER OF COLLISION: 1=SINGLE VEHICLE, 2=ANGLE (front to side, other than left turn), 3=LEFT TURN, 4=REAR END (front to rear), 5=HEAD-ON (front to front, other than left turn), 6=SIDESWIPE (same direction), 7=SIDESWIPE (opposite direction), 8=REAR-TO-SIDE, 9=REAR TO REAR, 97=OTHER, 99=UNKNOWN

TOTAL 13

CITY OF SCOTTSDALE

'11 -'12 COLLISION SUMMARY

REPORT #	DATE YYMMDD	TIME HHMM	NORTH / SOUTH ST.	TYPE	EAST WEST ST.	TYPE	DIR FROM	DIST FROM	INJ. SEV. #1 #2	PHYS. COND. #1 #2	VIOLATION #1 #2	ACTION #1 #2	TRAV. DIR. #1 #2	MANNER OF COLLISION	COMMENTS					
11-10291	110430	0930	PIMA		JOMAX		AT		4	1	0	0	3	0	4	1	E	S	4	
12-18471	120821	1204	SCOTTSDALE		JOMAX		AT		1	1	0	0	99	99	4	1	NB	SB	3	
12-16570	120725	1126	78	ST	JOMAX		E	50	1	0	0	16	1		1	EB		1		
12-09589	120425	1650	SCOTTSDALE		JOMAX		AT		1	1	0	0	13	1	1	1	NB	NB	7	
12-18687	120824	0711	82	ST	JOMAX		W	5000	1	0	0	1	11		11	WB		1		
12-21298	120925	1956	SCOTTSDALE		JOMAX		RD	AT	3	1	0	0	97	1	4	1	EB	NB	2	
12-23736	121025	0757	PIMA		JOMAX		RD	AT	1	0	0	4		1	1	SB		1		ROLLOVER
12-25155	121110	1845	SCOTTSDALE		JOMAX		RD	AT	1	1	0	0	2	1	4	1	EB	SB	3	

REPORT #	DATE	TIME	NORTH / SOUTH ST.	TYPE	EAST WEST ST.	TYPE	DIR	DIST	INJ. SEV / PHYS. COND.	VIOLATION	ACTION	TRAV. DIR.	MANNER OF
	YYMMDD	HHMM					FROM	FROM	#1 #2	#1 #2	#1 #2	#1 #2	COLLISION
													COMMENTS

KEY (January 1, 2011-June 21, 2011)

INJURY SEVERITY: 1=NO INJURY, 2=POSSIBLE INJURY, 3=NON-INCAPACITATING INJURY, 4=INCAPACITATING INJURY, 5=FATAL INJURY, 99=NOT REPORTED / UNKNOWN
 PHYSICAL CONDITION: 0=NO APPARENT INFLUENCE, 1=ILLNESS, 2=PHYSICAL IMPAIRMENT, 3=FELL ASLEEP / FATIGUED 4=ALCOHOL, 5=DRUGS, 6=MEDICATIONS, A=NO TEST GIVEN, B=TEST GIVEN, C=TEST REFUSED, D=TESTING UNKNOWN, 97=OTHER, 99=UNKNOWN

VIOLATION: 0=NO IMPROPER ACTION, 1=SPEED TOO FAST FOR CONDITIONS, 2=EXCEEDED LAWFUL SPEED 3=FAILED TO YIELD RIGHT-OF-WAY, 4=FOLLOWED TOO CLOSELY, 5=FAILED TO OBEY STOP SIGN, 6=FAILED TO STOP FOR RED SIGNAL, 7=DISREGARDED TRAFFIC SIGNAL 8=MADE IMPROPER TURN, 9=DROVE/RODE IN OPPOSING TRAFFIC LANE, 10=KNOWINGLY OPERATED WITH FAULTY / MISSING EQUIPMENT, 11=REQUIRED MOTORCYCLE SAFETY EQUIPMENT NOT USED, 12=PASSED IN NO PASSING ZONE, 13=UNSAFE LANE CHANGE, 14=FAILED TO KEEP IN PROPER LANE, 15=DISREGARDED PAVEMENT MARKINGS, 16=OTHER UNSAFE PASSING, 17=INATTENTION/DISTRACTION, 18=DID NOT USE CROSSWALK, 19=WALKED ON WRONG SIDE OF ROAD, 20=ELECTRONIC COMMUNICATIONS DEVICE, 97=OTHER, 99=UNKNOWN

ACTION: 1=GOING STRAIGHT AHEAD, 2=SLOWING IN TRAFFICWAY, 3=STOPPED IN TRAFFICWAY, 4=MAKING LEFT TURN, 5=MAKING RIGHT TURN, 6=MAKING U-TURN, 7=OVERTAKING/PASSING, 8=CHANGING LANES, 9=NEGOTIATING A CURVE, 10=BACKING, 11=AVOIDING VEH/OBJ/PED/CYCLIST/ANIMAL, 12=ENTERING PARKING POSITION, 13=LEAVING PARKING POSITION, 14=PROPERLY PARKED, 15=IMPROPERLY PARKED, 16=DRIVERLESS MOVING VEHICLE, 17=CROSSING ROAD, 18=WALKING WITH TRAFFIC, 19=WALKING AGAINST TRAFFIC, 20=STANDING, 21=LIVING, 22=GETTING ON OR OFF VEHICLE, 23=WORKING ON/PUSHING VEHICLE, 24=WORKING ON ROAD, 97=OTHER, 99=UNKNOWN

MANNER OF COLLISION: 1=SINGLE VEHICLE, 2=ANGLE (front to side) SAME DIRECTION, 3=ANGLE (front to side) OPPOSITE DIRECTION, 4=ANGLE (front to side) RIGHT ANGLE, 5=ANGLE - DIRECTION NOT SPECIFIED, 6=REAR END, 7=HEAD-ON, 8=SIDESWIPE, SAME DIRECTION, 9=SIDESWIPE, OPPOSITE DIRECTION, 10=REAR-TO-SIDE 11=REAR-TO-REAR 97=OTHER 99=UNKNOWN D=U-Turn, @=Pedestrian, #=Pedalcycle

KEY (June 22, 2011-December 31, 2012)

INJURY SEVERITY: 1=NO INJURY, 2=POSSIBLE INJURY, 3=NON-INCAPACITATING INJURY, 4=INCAPACITATING INJURY, 5=FATAL INJURY, 99=NOT REPORTED / UNKNOWN
 PHYSICAL CONDITION: 0=NO APPARENT INFLUENCE, 1=ILLNESS, 2=PHYSICAL IMPAIRMENT, 3=FELL ASLEEP / FATIGUED 4=ALCOHOL, 5=DRUGS, 6=MEDICATIONS, A=NO TEST GIVEN, B=TEST GIVEN, C=TEST REFUSED, D=TESTING UNKNOWN, 97=OTHER, 99=UNKNOWN

VIOLATION: 1=NO IMPROPER ACTION, 2=SPEED TOO FAST FOR CONDITIONS, 3=EXCEEDED LAWFUL SPEED 4=FOLLOWED TOO CLOSELY, 5=RAN STOP SIGN, 6=DISREGARDED TRAFFIC SIGNAL 7=MADE IMPROPER TURN, 8=DROVE/RODE IN OPPOSING TRAFFIC LANE, 9=KNOWINGLY OPERATED WITH FAULTY / MISSING EQUIPMENT, 10=REQUIRED MOTORCYCLE SAFETY EQUIPMENT NOT USED, 11=PASSED IN NO PASSING ZONE, 12=UNSAFE LANE CHANGE, 13=FAILED TO KEEP IN PROPER LANE, 14=DISREGARDED PAVEMENT MARKINGS, 15=OTHER UNSAFE PASSING, 16=INATTENTION/DISTRACTION, 17=DID NOT USE CROSSWALK, 18=WALKED ON WRONG SIDE OF ROAD, 19=ELECTRONIC COMMUNICATIONS DEVICE, 97=OTHER, 99=UNKNOWN

ACTION: 1=GOING STRAIGHT AHEAD, 2=SLOWING IN TRAFFICWAY, 3=STOPPED IN TRAFFICWAY, 4=MAKING LEFT TURN, 5=MAKING RIGHT TURN, 6=MAKING U-TURN, 7=OVERTAKING/PASSING, 8=CHANGING LANES, 9=NEGOTIATING A CURVE, 10=BACKING, 11=AVOIDING VEH/OBJ/PED/CYCLIST/ANIMAL, 12=ENTERING PARKING POSITION, 13=LEAVING PARKING POSITION, 14=PROPERLY PARKED, 15=IMPROPERLY PARKED, 16=DRIVERLESS MOVING VEHICLE, 17=CROSSING ROAD, 18=WALKING WITH TRAFFIC, 19=WALKING AGAINST TRAFFIC, 20=STANDING, 21=LIVING, 22=GETTING ON OR OFF VEHICLE, 23=WORKING ON/PUSHING VEHICLE, 24=WORKING ON ROAD, 97=OTHER, 99=UNKNOWN

MANNER OF COLLISION: 1=SINGLE VEHICLE, 2=ANGLE (front to side, other than left turn), 3=LEFT TURN, 4=REAR END, 5=HEAD-ON (front to front, other than left turn), 6=SIDESWIPE (same direction), 7=SIDESWIPE (opposite direction), 8=REAR-TO-SIDE, 9=REAR TO REAR, 97=OTHER, 99=UNKNOWN

TOTAL 8